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### COURSE OFFERINGS

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<td>Science &amp; Natural Resources</td>
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<td>Performing Arts &amp; Visual Arts</td>
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<td>World Languages</td>
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Notice of Non-Discrimination/Title IX: The Bethel School District complies with all federal and state rules and regulations and does not discriminate on the basis of race, color, national origin, gender, or disability. This practice holds true for all students who are interested in participating in educational programs and/or extracurricular activities. Inquiries regarding compliance and/or grievance procedures may be directed to the school district’s--

- **Title IX Coordinator:** Director of Athletics and Security: 253.800.4303
- **Section 504/ADA Coordinator:** Executive Director of Special Education: 253.800.2300
- **Civil Rights Compliance Coordinator:** Director of Equity and Achievement: 253.800.2019
 Planning for High School and Beyond

“Begin with the end in mind.”

These wise words from author Stephen Covey are certainly applicable to students entering high school. Beginning high school can be both exciting and intimidating: exciting because there are so many opportunities to learn and activities to explore, and intimidating because there are so many opportunities to learn and activities to explore!

High school course offerings allow for both exploration (Do I prefer ceramics or digital photography?) and focus (I want to take all the computer science courses!). And now, the trimester schedule allows for additional exploration and focus opportunities. So choices, and the pathways through them, are more varied than ever.

We want students and parents to use these planning resources as a way to inform these choices.

Think about these resources not only as a guide for choosing classes during high school, but also as support to pursue education and career opportunities after high school.
What is a Pathway?
A Pathway is a group of jobs and industries that are related by skills or products. Pathways are also referred to as Career Clusters. Within each Pathway there are a collection of courses and training opportunities that prepare students for several career opportunities. For example: If my chosen Pathway is Health Science my potential career options may include: doctor, nurse, veterinarian, dentist, lab technician, physical therapist, athletic trainer and more.

There are 16 total Pathways/Career Clusters established at the national level and are recognizable across the United States in middle schools, high schools, community and technical colleges, and the workforce.

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business, Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Marketing
- Science, Technology, Engineering & Mathematics
- Transportation, Distribution & Logistics

ARTS & COMMUNICATION
- Visual Design
- Visual Communication / Graphic Arts
- Video Production
- Theatre/Performing Arts

BUSINESS & MARKETING
- Business Marketing
- Business Management
- Financial Services
- Office Administration

HEALTH SCIENCE
- Medical Care Careers
- Sports Medicine / Fitness Training

HUMAN SERVICES
- Hospitality & Tourism
- Education & Social Services
- Government & Safety Services
- Junior Reserve Officer Training (JROTC)

INFORMATION TECHNOLOGY
- Information Technology

SCIENCE AND NATURAL RESOURCES
- Environmental Science

STEM
- Manufacturing
- Engineering and Construction
- Transportation, Distribution and Logistics

Bethel School District Pathway Offerings
In Bethel School District, the 16 Pathways have been combined into 7 Pathways more closely aligned to our course offerings. Post-secondary training options and potential careers have been outlined below.

FIND YOUR PATH

NAVIGATING THIS DOCUMENT
This document contains hyperlinks for easy navigation. From the menu above, click on the Pathway you’re interested in to view information. If you wish to navigate back to the cover page, click on the title of the pathway.
# Arts and Communication

## Visual Design

**Pathway Course Options**
- Advanced Metals, Jewelry & Design
- Advanced Studio Art
- AP Studio Art 2D
- AP Studio Art: 3D Design
- AP Studio Art: Drawing
- Art Survey
- Ceramics, Advanced Ceramics
- Design & Modeling
- Drawing Painting & Cartooning

**CTE Pathways**
- Metals, Jewelry & Design
  - Metals, Jewelry & Design 1
  - Metals, Jewelry & Design 2
  - Advanced Metals, Jewelry & Design
  - Choose One:
    - Entrepreneurship
    - Web Design 1

**PCSC Pathways**
- Video Game Development

**Postsecondary Options**
- Community/Technical College
- University Programs

**Potential Degree Courses of Study**
Information support and services Interactive media; Network systems; Programming and software development

**Career Options**
- **2-Year or Certificate**: Graphic and Printing Equipment Operator, Lithographer, Computer Typography, Web Design
- **Bachelor’s Degree or Higher**: Desktop Publishing Specialist, Graphic Designer, Web Designer, Web Developer, Graphic Artist

## Visual Communication / Graphic Arts

**Pathway Course Options**
- Digital Photography 1 & 2
- Drawing, Advanced Drawing
- Entrepreneurship
- Graphic Design 1 & 2
- Metals, Jewelry & Design 1 & 2
- Painting, Advanced Painting
- Sculpture, Advanced Sculpture
- Web Design 1 & 2
- Yearbook A & B

**CTE Pathways**
- Digital Photography & Yearbook
  - Digital Photography 1
  - Digital Photography 2
  - Graphic Design
  - Yearbook

**PCSC Pathways**
- Video Game Development

**Postsecondary Options**
- Community/Technical College
- University Programs

**Potential Degree Courses of Study**
Audio and Video Technology and Film; Broadcasting and Journalism; Performing Arts; Printing Technology; Telecommunications; Visual arts

**Career Options**
- **2-Year or Certificate**: Film and TV Crew, Film Editor
- **Bachelor’s Degree or Higher**: TV Producer, Screenwriter, TV Anchor, Video Game Designer
# Arts and Communication

## Theatrical Performing Arts

### Pathway Course Options
- AP English Language & Composition
- AP English Literature & Composition
- AP Music Theory
- Band
- Choir
- Composing & Arranging
- Guitar
- Improvisational Theatre
- Music Performance
- Music Theory
- Orchestra
- Speech/Debate
- Theatre Design & Stagecraft 1 & 2
- Theatre, Advanced Theatre
- World Language

### CTE Pathways
None

### PCSC Pathways
None

### Postsecondary Options
- Community/Technical College
- University Programs

### Potential Degree Courses of Study
- Broadcasting and Journalism; Performing Arts; Telecommunications; Visual Arts

### Career Options
- **2-Year or Certificate:** Film and TV Crew, Announcer, Model, Dancer, Voice-Over Specialists, Stage Hand
- **Bachelor's Degree or Higher:** Screenwriter, TV Anchor, Professional Make-Up Artist, Agent, Director, Set Designer

## Video Production

### Pathway Course Options
- AP English Language & Composition
- AP English Literature & Composition
- Creative Writing
- Digital Photography 1 & 2
- Graphic Design 1 & 2
- Journalism
- Media Design & Production 1 & 2
- Video Production 1 & 2

### CTE Pathways
- Video Production 1
- Video Production 2
- Media Design & Production 1
- Media Design & Production 2

### PCSC Pathways
None

### Postsecondary Options
- Community/Technical College
- University Programs

### Potential Degree Courses of Study
- Audio and Video Technology and Film; Broadcasting and Journalism; Performing Arts; Printing Technology; Telecommunications; Visual Arts

### Career Options
- **2-Year or Certificate:** Film and TV Crew, Film Editor
- **Bachelor's Degree or Higher:** TV Producer, Screenwriter, TV Anchor, Video Game Designer
### BUSINESS AND MARKETING

#### BUSINESS MARKETING PATHWAY COURSE OPTIONS
- Accounting 1
- AP Macroeconomics
- AP Microeconomics
- Business Law
- Business Management
- DigiTools
- Economics
- Entertainment Marketing and eSports
- Entrepreneurship
- Financial Fitness
- Intro to Business & Marketing
- Leadership
- Microsoft Applications 1 and 2

#### BUSINESS MANAGEMENT PATHWAY COURSE OPTIONS
- Accounting 1
- AP Macroeconomics
- AP Microeconomics
- Business Law
- Business Management
- DigiTools
- Economics
- Entertainment Marketing and eSports
- Entrepreneurship
- Financial Fitness
- Intro to Business & Marketing
- Leadership
- Microsoft Applications 1 and 2

#### CTE PATHWAYS
**Marketing Sales & Design**
- Intro to Business & Marketing A
- Intro to Business & Marketing B
- Retail Store Operations A
- Retail Store Operations B or C

**Entertainment Marketing**
- Intro to Business & Marketing A
- Intro to Business & Marketing B
- Sports & Events Marketing
- Choose one class below:
  - Entertainment Marketing & eSports
  - Entrepreneurship
  - Business Management
  - Business Law
  - Business Marketing

**CTE PATHWAYS**
**Business Management**
- Intro to Business & Marketing A
- Intro to Business & Marketing B
- Choose two classes below:
  - Accounting 1A & 1B
  - Business Law
  - Business Management
  - Entrepreneurship
  - Social Media Marketing

**PCSC PATHWAYS**
- Cosmetology (off-site @ Clover Park Technical College)
- Culinary Arts

**POSTSECONDARY OPTIONS**
- Community/Technical College
- University Programs

**POTENTIAL DEGREE COURSES OF STUDY**
- Advertising; Hospitality; International Business; Non-Profit Management; Distribution and logistics; Management and entrepreneurship

**CAREER OPTIONS**
- **2-Year or Certificate**: Telemarketer, Media Specialist, Library Tech, Volunteer Manager
- **Bachelor’s Degree or Higher**: Marketing Specialist, Market Research Analyst, Media Buyer, Sports Marketer, International Marketing, Pharmaceutical Marketing and Management, Marketing Research, E- Business Consultant

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### BUSINESS MARKETING PATHWAY COURSE OPTIONS
- Project Management
- Psychology/AP Psychology
- Retail Store Operations
- Social Media Marketing
- Sociology
- Sports & Events Marketing
- Statistics
- Statistics Principles Sports
- Street Law
- Web Design 1 & 2
- Work-Based Learning
- World Language
- Yearbook

### BUSINESS MANAGEMENT PATHWAY COURSE OPTIONS
- Project Management
- Psychology/AP Psychology
- Retail Store Operations
- Social Media Marketing
- Sociology
- Sports & Events Marketing
- Statistics
- Statistics Principles Sports
- Street Law
- Web Design 1 & 2
- Work-Based Learning
- World Language
- Yearbook

### CTE PATHWAYS
**Business Management**
- Intro to Business & Marketing A
- Intro to Business & Marketing B
- Choose two classes below:
  - Accounting 1A & 1B
  - Business Law
  - Business Management
  - Entrepreneurship
  - Social Media Marketing

**PCSC PATHWAYS**
- Cosmetology (off-site @ Clover Park Technical College)
- Culinary Arts

**POSTSECONDARY OPTIONS**
- Community/Technical College
- University Programs

**POTENTIAL DEGREE COURSES OF STUDY**
- Telemarketer, Media Specialist, Library Tech, Volunteer Manager

**CAREER OPTIONS**
- **2-Year or Certificate**: Telemarketer, Media Specialist, Library Tech, Volunteer Manager
- **Bachelor’s Degree or Higher**: Marketing Specialist, Market Research Analyst, Media Buyer, Sports Marketer, International Marketing, Pharmaceutical Marketing and Management, Marketing Research, E- Business Consultant
**BUSINESS AND MARKETING**

### FINANCIAL SERVICES
#### PATHWAY COURSE OPTIONS
- Accounting 1 & 2
- Advanced Algebra
- AP Macroeconomics
- AP Microeconomics
- AP Statistics
- Business Law
- Business Management
- DigiTools
- Economics
- Financial Fitness
- Intro to Business & Marketing
- Microsoft Applications 1 & 2
- Pre-Calculus
- Retail Store & Entrepreneurship
- Statistics
- Statistics Principles Sports
- Work-Based Learning
- World Language

### OFFICE ADMINISTRATION
#### PATHWAY COURSE OPTIONS
- Accounting 1 & 2
- AP Computer Science
- Business Law
- Business Management
- Computer Science
- DigiTools
- Financial Fitness
- Graphic Design
- Intro to Business & Marketing
- Microsoft Applications 1 & 2
- Retail Store & Entrepreneurship
- Web Design 1 & 2
- Work-Based Learning
- Yearbook

### CTE PATHWAYS
#### Finance and Accounting
- Accounting 1A
- Accounting 1B
- Choose two classes below:
  - Intro to Business & Marketing
  - Business Management
  - Microsoft Application 1 & 2

#### Microsoft Applications
- Microsoft Applications 1A
- Microsoft Applications 1B
- Microsoft Applications 2A
- Microsoft Applications 2B

#### PCSC PATHWAYS
- Community/Technical College
- University Programs

### POSTSECONDARY OPTIONS
- Community/Technical College
- University Programs

### POTENTIAL DEGREE COURSES OF STUDY
- Banking and Related Services
- Business Financial Management
- Financial and Investment Planning
- Insurance Services
- Financial Administrative Support
- Business Analysis
- Business Financial Management and Accounting

### CAREER OPTIONS
#### 2-Year or Certificate:
- Bookkeeper
- Loan Processor
- Cash Manager
- Bank Teller
- Financial Assistant
- Product Manager

**Bachelor’s Degree or Higher:**
- Financial Planner
- Accountant
- Credit Analyst
- Financial Advisor
- Auditor
- Investment Banker
- CPA
- CEO
- Chief Financial Officer
- Actuary

### OFFICE ADMINISTRATION
#### PATHWAY COURSE OPTIONS
- Accounting 1 & 2
- AP Computer Science
- Business Law
- Business Management
- Computer Science
- DigiTools
- Financial Fitness
- Graphic Design
- Intro to Business & Marketing
- Microsoft Applications 1 & 2
- Retail Store & Entrepreneurship
- Web Design 1 & 2
- Work-Based Learning
- Yearbook

#### CTE PATHWAYS
#### Microsoft Applications
- Microsoft Applications 1A
- Microsoft Applications 1B
- Microsoft Applications 2A
- Microsoft Applications 2B

#### PCSC PATHWAYS
- Community/Technical College
- University Programs

### POSTSECONDARY OPTIONS
- Community/Technical College
- University Programs

### POTENTIAL DEGREE COURSES OF STUDY
- Information Support and Services Network Systems
- Programming and Software Development
- Administrative Support
- Business Analysis
- Business, Financial Management and Accounting
- Human Resources

### CAREER OPTIONS
#### 2-Year or Certificate:
- Computer Trainer or Support Person
- Desktop Publisher
- Electronics Repairer
- Office Machine Repairer
- Web Developer
- Video Game Developer
- Website Designer
- Webmaster
- Technical Writer

**Bachelor’s Degree or Higher:**
- Multimedia Developer
- Computer Animator
- Business System Analyst
- Database Developer
- E-Business Consultant
- Electrical Engineer
- Information Security Analyst
- IT Project Manager
### HEALTH SCIENCES

#### MEDICAL CAREERS
**PATHWAY COURSE OPTIONS**
- AP Biology
- AP Calculus
- AP Chemistry
- Biology of Addiction & the Brain (CiHS)
- Biomedical Innovations
- Child Development 1 & 2
- Family Health
- Health
- Human Body Systems
- Intro to Medical Careers 1 & 2
- Intro to Nutrition & Fitness
- Medical Interventions
- Nutrition and Fitness for Life
- Physical Fitness Project Design
- Physical Fitness Technician
- Pre-Calculus (CiHS)
- Principles of Biomedical Science
- Psychology/AP Psychology
- Science of Nutrition and Health
- Sociology
- Sports Medicine 1 & 2
- Sports Medicine Practicum
- World Languages

#### CTE PATHWAYS
**Biomedical Sciences**
- Principles of Biomedical Sciences A
- Principles of Biomedical Sciences B
- Human Body Systems A
- Human Body Systems B

**Advanced Biomedical Sciences**
- Medical Interventions A
- Medical Interventions B
- Biomedical Innovation A
- Biomedical Innovation B

**PCSC PATHWAYS**
- Medical Careers
- Pre-Pharmacy Technology

**Pre-Veterinary Technology**
- Pre-Physical Therapy & Sports Medicine

#### POSTSECONDARY OPTIONS
- Community/Technical College
- University Programs

#### POTENTIAL DEGREE COURSES OF STUDY
- Diagnostic Services; Health Informatics; Biotechnology Research and Development; Therapeutic Services

#### CAREER OPTIONS
- **2-Year or Certificate:** Med Tech, LPN, Medical Sonographer, Midwife, Physical Therapy Asst., Fitness Instructor, Cardiovascular Technician, Dental Hygienist, Forensic Technician, Biotechnology Lab Technician
- **Bachelor’s Degree or Higher:** Medical Technologist, Registered Nurse, Dietician, Physician, Surgeon, Psychologist, Dentist, Podiatrist, Chiropractor, Therapist, Biochemist, Bioinformatics Specialist, Forensic Scientist, Microbiologist, Oceanographer, Zoologist, Forester, Park Warden

### SPORTS MEDICINE / FITNESS TRAINING
**PATHWAY COURSE OPTIONS**
- AP Biology
- AP Calculus
- AP Chemistry
- Biology of Addiction & the Brain (CiHS)
- Biomedical Innovations
- Child Development 1 & 2
- Family Health
- Health
- Human Body Systems
- Intro to Medical Careers 1 & 2
- Intro to Nutrition & Fitness
- Medical Interventions
- Nutrition and Fitness for Life
- Physical Education
- Physical Fitness Project Design
- Physical Fitness Technician
- Pre-Calculus (CiHS)
- Principles of Biomedical Science
- Psychology/AP Psychology
- Science of Nutrition and Health
- Sociology
- Sports Medicine 1 & 2
- Sports Medicine Practicum
- World Languages

#### CTE PATHWAYS
**Sports Medicine**
- Sports Medicine 1A
- Sports Medicine 1B
- Sports Medicine 2A
- Sports Medicine 1B
- Intro to Physical Fitness Technician
- Physical Fitness Program Design

**Integrated Fitness Training**
- Sports Medicine 1A
- Sports Medicine 1B

**PCSC PATHWAYS**
- Pre-Physical Therapy & Sports Medicine

**POSTSECONDARY OPTIONS**
- Community/Technical College
- University Programs

#### POTENTIAL DEGREE COURSES OF STUDY
- Diagnostic Services; Health Informatics; Biotechnology Research and Development; Therapeutic Services

#### CAREER OPTIONS
- **2-Year or Certificate:** Med Tech, LPN, Medical Sonographer, Midwife, Physical Therapy Asst., Fitness Instructor, Cardiovascular Technician, Dental Hygienist, Forensic Technician, Biotechnology Lab Technician
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<tr>
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<td><strong>GOVERNMENT &amp; SAFETY SERVICES</strong></td>
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<tr>
<td>• Accounting</td>
<td>• Medical Interventions</td>
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<td>• Pre-Calculus</td>
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<td>• AP Chemistry</td>
<td>• Principles of Biomedical Science</td>
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<td>• AP Government</td>
<td>• Psychology/AP Psychology</td>
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<tr>
<td>• Biomedical Innovations</td>
<td>• Sociology</td>
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<tr>
<td>• Business Law</td>
<td>• Statistics/AP Statistics</td>
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<tr>
<td>• Human Body Systems</td>
<td>• World Language</td>
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<tr>
<td>• Intro to Medical Careers</td>
<td><strong>PATHWAY COURSE OPTIONS</strong></td>
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<td>• Accounting 1 &amp; 2</td>
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<td>• AP Human Geography</td>
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<td>• Business Law</td>
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<td>• Intro to Nutrition &amp; Fitness</td>
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<td>• Introduction to Business &amp; Marketing</td>
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<td>• Culinary Essentials 1</td>
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<td>• Culinary Essentials 2</td>
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<td>• Culinary Essentials 3</td>
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<td>• Intro to Nutrition and Fitness</td>
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<td><strong>PCSC PATHWAYS</strong></td>
<td><strong>PCSC PATHWAYS</strong></td>
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<tr>
<td>• Criminal Justice</td>
<td>• Culinary Arts</td>
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<tr>
<td>• Fire Science &amp; Emergency Services</td>
<td><strong>POSTSECONDARY OPTIONS</strong></td>
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<td>• Community/Technical College</td>
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<td>• University Programs</td>
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<td><strong>POSTSECONDARY OPTIONS</strong></td>
<td><strong>POTENTIAL DEGREE COURSES OF STUDY</strong></td>
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<tr>
<td>• Community/Technical College</td>
<td>Lodging; Recreation, Amusement and Attractions; Restaurants, Food and Beverage Services; Travel and Tourism</td>
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<tr>
<td>• University Programs</td>
<td><strong>CAREER OPTIONS</strong></td>
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<td>2-Year or Certificate: Crime Scene Technician, Biotechnology Lab Technician</td>
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<td></td>
<td>Bachelor’s Degree or Higher: Forensic Accountant, Forensic Scientist, Pathologist, Coroner, Crime Scene Investigator, Toxicologist</td>
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<td><strong>PCSC PATHWAYS</strong></td>
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<td></td>
<td>• Community/Technical College</td>
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<td>• University Programs</td>
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<tr>
<td><strong>POTENTIAL DEGREE COURSES OF STUDY</strong></td>
<td><strong>POTENTIAL DEGREE COURSES OF STUDY</strong></td>
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<tr>
<td>Emergency and fire management; Security and protective service; Law enforcement services; Legal services Correction services</td>
<td>2-Year or Certificate: Hotel Desk Clerk, Server, Housekeeper, Tour Guide, Travel Agent, Hotel or Restaurant Floor Manager</td>
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<tr>
<td></td>
<td>Bachelor’s Degree or Higher: Bed and Breakfast Proprietor, Hotel or Restaurant Facility Manager, Meeting and Convention Planner, Tourism Director</td>
</tr>
</tbody>
</table>
HUMAN SERVICES

EDUCATION & SOCIAL SERVICES
PATHWAY COURSE OPTIONS
• Ancient Humanities
• Biology and Addiction of the Brain (CiHS)
• Careers in ED Practicum
• Careers in Education
• Child Development 1 & 2
• Family Health
• Human Body Systems
• Intro to Medical Careers 1
• Intro to Nutrition & Fitness
• Modern Humanities
• Nutrition and Fitness for Lifelong Health
• Principles of Biomedical Science
• Psychology/AP Psychology
• Science of Nutrition and Health
• Sociology
• Social Justice
• Statistics/AP Statistics
• World Language

CTE PATHWAYS
Careers in Education
• Child Development 1
• Child Development 2
• Careers in Education A
• Careers in Education B

PCSC PATHWAYS
None

POSTSECONDARY OPTIONS
• Community/Technical College
• University Programs

POTENTIAL DEGREE COURSES OF STUDY
Consumer Services; Counseling and Mental Health Services; Early Childhood Development and Services; Family and Community Services; Personal Care Services

CAREER OPTIONS
2-Year or Certificate: Preschool Teacher, Instructional Assistant, Child Care Worker, Recreation Facility Employee, Coach, Sign/Foreign Language Interpreter

Bachelor’s Degree or Higher: Psychologist, Licensed Social Worker, Counselor, Child Care Worker, Director of Childcare Facility, Preschool Teacher, School Counselor, Sociologist, Social Services Worker, Home Care Aide, Leisure Activities Counselor

JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)
PATHWAY COURSE OPTIONS
ARMY (GKHS)
• Year 1-4
• Drill & Performance

AIR FORCE (BHS)
• Year 1-4
• Drill & Performance
• Private Pilot Basic Ground School

NAVY (SLHS)
• Year 1-4
• Drill & Performance

CTE PATHWAYS
Army JROTC
• Year 1
• Year 2

Air Force JROTC
• Year 1
• Year 2

Navy JROTC
• Year 1
• Year 2

PCSC PATHWAYS
None

POSTSECONDARY OPTIONS
• Military
• Community/Technical College
• University Programs

POTENTIAL DEGREE COURSES OF STUDY
ROTC programs; health programs; Transportation; engineering; STEM technologies; law enforcement; operations and administration; electronics; maintenance and repair

CAREER OPTIONS
2-Year or Certificate: Enter military as an E2 or E3 (depending on branch); Talk to your recruiter regarding minimum requirements

Bachelor’s Degree or Higher: ROTC program is an elective program within many universities matched up to any degree path
INFORMATION TECHNOLOGY

PATHWAY COURSE OPTIONS

INFORMATION TECHNOLOGY

• Computer Programming 1 & 2
• Computer Science Principles
• Cybersecurity
• DigiTools

• Graphic Design
• Microsoft Applications 1 & 2
• Web Design 1 & 2
• Work-Based Learning

CTE PATHWAYS

Intro to Computer Science
• Digitools
• AP Computer Science Principles A
• AP Computer Science Principles B
• AP Computer Science Principles C

Computer Programming
• AP Computer Science Principles A
• AP Computer Science Principles B
• AP Computer Science Principles C
• Computer Programming 1

PCSC PATHWAYS

• Video Game Development
• IT & Cybersecurity

POSTSECONDARY OPTIONS

• Community/Technical College
• University Programs

POTENTIAL DEGREE COURSES OF STUDY

Information Support and Services; Network Systems; Programming and Software Development; Administrative Support; Business Analysis; Business, Financial Management and Accounting; Human Resources

CAREER OPTIONS

2-Year or Certificate: Computer Trainer or Support Person, Desktop Publisher, Electronics Repairer, Office Machine Repairer, Web Developer, Video Game Developer, Website Designer, Webmaster, Technical Writer

Bachelor’s Degree or Higher: Multimedia Developer, Computer Animator, Business System Analyst, Database Developer, E-Business Consultant, Electrical Engineer, Information Security Analyst, IT Project Manager
ENVIRONMENTAL SCIENCE
PATHWAY COURSE OPTIONS

- Animal Science
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Human Geography
- Earth Science
- Environmental Science
- Fish & Wildlife Conservation
- Forestry & Wildlife Conservation
- Greenhouse Management & Hydroponics 1 & 2
- Marine Biology
- Pre-Calculus (CiHS)
- Statistics/AP Statistics
- Zoology

CTE PATHWAYS

Environmental Science

- Environmental Science
- AP Environmental Science A
- AP Environmental Science B
- AP Environmental Science C

Natural Resources

- Animal Science
- Fish & Wildlife Conservation
- Forestry & Wildlife Conservation
- Greenhouse Management & Hydroponics 1 & 2

PCSC PATHWAYS

- Pre-Veterinary Technology

POSTSECONDARY OPTIONS

- Community/Technical College
- University Programs

POTENTIAL DEGREE COURSES OF STUDY

Animal Systems; Agribusiness Systems; Biotechnology Systems; Environmental Service Systems; Food Products and Processing Systems; Natural Resources Systems; Plant Systems; Power, Structural and Technical Systems

CAREER OPTIONS

2-Year or Certificate: Conservation Officer, Horticulture

Bachelor's Degree or Higher: Fish and Game Warden, Climate Change Analyst, Environmental Consultant, Ecologist, Toxicologist, Forester, Park Naturalist, Sustainability Specialist
STEM

MANUFACTURING
PATHWAY COURSE OPTIONS
• Composites/Manufacturing
• Computer Integrated Manufacturing
• Engineering Essentials
• Intro to Engineering Design
• Pre-Calculus
• Principles of Engineering

CTE PATHWAYS
Computer Integrated Manufacturing (BHS)
• Introduction to Engineering Design A
• Introduction to Engineering Design B
• Computer Integrated Manufacturing A
• Computer Integrated Manufacturing B

Introduction to Engineering
• Engineering Essentials A
• Engineering Essentials B
• Introduction to Engineering Design A
• Introduction to Engineering Design B

PCSC PATHWAYS
• Aerospace Composites
• Aerospace Machining & Fabrication
• Construction Trades

POSTSECONDARY OPTIONS
• Apprenticeship
• Community/Technical College
• University Programs

POTENTIAL DEGREE COURSES OF STUDY
Facility and Mobile Equipment Maintenance; Health, Safety and Environmental Management; Logistics Planning and Management Services; Sales and Services; Transportation Operations; Transportation Systems and Infrastructure; Planning, Management and Regulation; Warehousing/Distribution Center Operations

CAREER OPTIONS
2-Year or Certificate: Assembler, Manufacturing Technician, Agriculture Technician, Health and Safety Representative, Industrial Machinist
Bachelor's Degree or Higher: Electrician, Machinist, Engineering Fields, Mechanic, Manufacturing Technician

ENGINEERING & CONSTRUCTION
PATHWAY COURSE OPTIONS
• AP Calculus (CiHS)
• AP Computer Science Principles
• AP Physics
• Civil Engineering and Architecture
• Computer Integrated Manufacturing
• Design and Modeling
• Drone Design and Engineering
• Drone Piloting (UAS)
• Intro to Aerospace Engineering
• Intro to Computer Programming
• Intro to Construction Trades
• Intro to Engineering Design
• Pre-Calculus (CiHS)
• Principles of Engineering / Robotics

CTE PATHWAYS
Drone Engineering
• Introduction to Engineering Design A
• Introduction to Engineering Design B
• Drone Piloting
• Drone Design and Engineering

Environmental Sustainability (GKHS)
• Introduction to Engineering Design A
• Introduction to Engineering Design B
• Environmental Sustainability A
• Environmental Sustainability B

PCSC PATHWAYS
• Construction Trades
• Aerospace Composites
• Aerospace Machining & Fabrication

POSTSECONDARY OPTIONS
• Apprenticeship
• Community/Technical College
• University Programs

POTENTIAL DEGREE COURSES OF STUDY
Construction; Design and Pre-Construction; Maintenance and Operations; Architectural and Civil Drafter or Engineer; Environmental Designer; Electrical Design Engineer; Project Management

CAREER OPTIONS
2-Year or Certificate: Electrician, CAD Technician, Land Survey Technician, HVAC/HVACR Technician, Carpenter, Contractor, Drafter, Material Manager, Construction Worker, Residential or Commercial Carpenter, Sheet Metal Technician
Bachelor's Degree or Higher: Engineering (Aerospace, Architectural, Biomedical, Chemical, Civil, Electrical, Manufacturing, Marine and Nuclear), Surveyor, Electrician, Architect, Construction Manager, Cost Estimator, Geologist and Geophysicists, Mining Engineer
### STEM

#### TRANSPORTATION, DISTRIBUTION & LOGISTICS
**PATHWAY COURSE OPTIONS**
- Business Law
- Intro to Aerospace Engineering
- Intro to Business & Marketing
- Power Sports 1, 2, and 3
- Retail Store & Entrepreneurship
- Robotics
- Drone Piloting
- Drone Design and Engineering

#### CTE PATHWAYS
**Aerospace Engineering (SLHS)**
- Introduction to Engineering Design A
- Introduction to Engineering Design B
- Aerospace Engineering A
- Aerospace Engineering B

**Introduction to Engineering**
- Engineering Essentials A
- Engineering Essentials B
- Introduction to Engineering Design A
- Introduction to Engineering Design B

**PCSC PATHWAYS**
- Aerospace Composites
- Aerospace Machining & Fabrication
- Automotive Technology

#### POSTSECONDARY OPTIONS
- Apprenticeship
- Community/Technical College
- University Programs

#### POTENTIAL DEGREE COURSES OF STUDY
- Facility and Mobile Equipment Maintenance; Health, Safety and Environmental Management; Logistics Planning and Management Services; Sales and Services; Transportation Operations; Transportation Systems and Infrastructure; Planning, Management and Regulation; Warehousing/Distribution Center Operations

#### CAREER OPTIONS
**2-Year or Certificate:** Fork Lift Operator, Light Truck Driver, Transportation Agent, Bus Driver, Deck Hand, Dispatcher, Railroad Brake Signal Operator

**Bachelor's Degree or Higher:** Airline Pilot, Ship Captain, Ship Engineer, Auto Mechanic, Heavy Equipment Mechanic, Motorcycle Mechanic, Subway Operator
College & Career Admission Testing

The student’s responsibility is to discuss college entrance/career requirements with a counselor, determine which tests are necessary, and send applications and fees to the appropriate testing organization before their designated deadlines. College resource books, available in the counseling center, indicate which tests are required for each college in the United States. Application forms and further test information are available in the counseling and career centers. Specific dates, locations, and fees are available from your counselor. Descriptions of the various college entrance tests are on the following page.

<table>
<thead>
<tr>
<th>Year in School</th>
<th>Tests to be Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 or 10</td>
<td>PSAT or PLAN (A preliminary test if students want practice)</td>
</tr>
<tr>
<td>11</td>
<td>PSAT (National Merit Qualifying Test), SAT, ACT, ASVAB</td>
</tr>
<tr>
<td>12</td>
<td>SAT, ACT, ASVAB</td>
</tr>
<tr>
<td>Any year an AP course is taken</td>
<td>Test as courses are completed</td>
</tr>
</tbody>
</table>

Test Purposes / Descriptions:

**PSAT/NMSQT** (October) Taking this test is the first step necessary to enter the scholarship programs administered by the National Merit Scholarship Corporation. This test may also help secure other scholarships or financial aid from the colleges you apply to. In addition, this test will show students their academic strengths and weaknesses. The test may be taken as a practice or warm up for the SAT. The manner of reporting scores also makes it possible for the students to predict their scores on the SAT with reasonable accuracy. SAT preparation classes and materials/software for interested students are sometimes available at individual high schools.

**PLAN** (Pre-ACT test) Curriculum-based test to highlight student academic strengths and areas for improvement. This test is taken as a practice for the ACT. The test also includes an interest inventory to help students explore personally relevant career options. Students also receive relevant college and scholarship information based on PLAN information.
COLLEGE ENTRANCE TESTS: The SAT or the ACT is either required or optional depending on the admission requirements of the particular private and state-supported four-year colleges and universities in the state of Washington. Two-year colleges in this state require neither the SAT nor the ACT. However, ACT and SAT scores may be required for some scholarship applications. Links to some, but not all, in-state admissions requirements are included below:

- Washington State University
- University of Washington
- Central Washington University
- Western Washington University
- Gonzaga State University
- St. Martin’s University
- Pacific Lutheran University

SAT (Scholastic Aptitude Test, Junior or senior year, various dates and test sites). Students may register online at [www.collegeboard.org](http://www.collegeboard.org). There are also optional SAT II subject tests for specific courses. Fee waivers are available for students with free or reduced lunch.

ACT (American College Test, Junior or senior year, various dates and test sites). Students may register online at [www.act.org](http://www.act.org). Fee waivers are available for students with free or reduced lunch.

ASVAB (Armed Services Vocational Aptitude Battery)
The US Department of Defense conducts this exam during fall and spring. The military uses results to determine job assignments for people enlisting in the military. This test is free. Contact your recruiter or career center for information.

AP TESTS (Advanced Placement)
Given in May, administered at each high school. These tests are administered to students enrolled in an advanced placement course. There is a cost for each AP exam, and fee reductions are available to qualified students (see your counselor for details). Bethel School District will pay for one test per student per year. Any additional tests are the responsibility of the student. When a student achieves scores on the Advanced Placement tests that meet the minimums set by individual colleges and universities, the student may receive one or more of the following benefits:

1. Exemption by a college or university for beginning courses.
2. Academic college credit in subjects in which the exam is taken.
3. Eligibility for honors and other special programs.
State of Washington College Admission Standards

***College admission may require courses beyond those required for graduation from the Bethel School District. See your counselor and check individual college catalogs for specific requirements for colleges in which you are interested.***

College Academic Distribution Requirements, or CADRs, refer to college admissions criteria established by the Washington Higher Education Coordinating Board. The credit requirements differ from high school graduation requirements that are determined by the State Board of Education and local school districts.

Students who plan to attend a four-year college or university should be aware of both sets of requirements. Meeting the minimum college admission standards does not guarantee admission to a public baccalaureate institution. Therefore, students are encouraged to go beyond meeting minimum college admission standards to improve their chances for gaining entry to a public baccalaureate institution.

Students should consult with their school counselors to obtain complete information about minimum college admission standards and to be aware of which courses at their school meet the CADR guidelines. Listed below is an overview of the CADRs.

**College Academic Distribution Requirements, or CADRs**

Students should earn 15 credits in the subject areas below. They must earn three CADR credits from courses listed below per high school year (9th - 12th grade).

**English** – 4 credits: Must include 3 credits of college preparatory composition or literature.

**Mathematics** – 3 credits: Minimum of Algebra 1, Geometry, and Advanced Algebra. **Mathematics** – Senior Year: During the senior year, students must earn a credit in a math-based quantitative course, e.g. statistics, applied math, or appropriate career and technical courses. An algebra-based science course taken during the senior year also would satisfy this requirement and part of the science requirement below. Successful completion of math through pre-calculus meets both the course and senior year math requirement.

**Science** – 2 credits: Laboratory science, including 1 credit of algebra-based science.

**World Languages** – 2 credits: Must include 2 credits of the same world language, Native American language, or American Sign Language.

**Social Science** – 3 credits: History or other social science
State of Washington College Admission Standards

Arts – 1 credit: Of a fine, visual, or performing arts or 1 additional credit in other CADR subject areas.
2022–23 Course Offerings
College in the High School

College in the High School (CiHS) programs offer college-level courses to 10th, 11th, and 12th graders students. Courses are taught in the high school, by Bethel School District teachers who meet qualifications to teach the course for college credit, using college curriculum, textbooks, and oversight by college faculty and staff.

Bethel School District currently offers some College in the High School Courses in partnership with the University of Washington and Central Washington University.

- There is no fee for students to enroll in a CHS or co-delivered dual credit course that includes CHS to earn only high school credit.

- Fees apply for students who choose to enroll in a CHS course to earn both high school and college credit.

- If you pay for college credit, an official college transcript automatically starts with the institution offering the course. The transcript will include the student’s performance, and that college credit earned may count as elective or academic credit depending on the receiving college's transfer credit policies.

- Fee - $55 per credit ($275 for a 5 credit class).

<table>
<thead>
<tr>
<th>Bethel High</th>
<th>Graham-Kapowsin</th>
<th>Spanaway Lake</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Calculus (CWU)</td>
<td>Biology of Addiction and the Brain (UW)</td>
<td>Bio of Addiction and the Brain (UW)</td>
</tr>
<tr>
<td></td>
<td>Pre-Calculus (CWU)</td>
<td>Pre-Calculus (CWU)</td>
</tr>
<tr>
<td></td>
<td>AP Calculus (CWU)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>AP Statistics (CWU)</td>
<td></td>
</tr>
</tbody>
</table>

**CTE Dual Credit:** Students in the Bethel School District have the opportunity to earn college credit while in high school. By successfully completing any of the following courses with a "C" or better, students may earn college credit. Please ask your counselor or the instructor of these courses for more details or go to pc3connect.org.

<table>
<thead>
<tr>
<th>Arts &amp; Communication</th>
<th>Business, Marketing &amp; Information Technology</th>
<th>Health &amp; Human Services</th>
</tr>
</thead>
</table>
# 2022–23 Course Offerings
## College in the High School

<table>
<thead>
<tr>
<th>Graphic Design 1</th>
<th>Accounting 1</th>
<th>American Sign Language 1, 2, 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Photography 1</td>
<td>Business Law</td>
<td>Careers in Education 1 &amp; 2</td>
</tr>
<tr>
<td>Digital Photography 2</td>
<td>Computer Programming 1</td>
<td>Child Development 1 &amp; 2</td>
</tr>
<tr>
<td>Video Productions 1</td>
<td>Financial Fitness</td>
<td>Culinary Arts 1, 2</td>
</tr>
<tr>
<td>Yearbook</td>
<td>Intro to Business and Marketing</td>
<td>Culinary Essentials 1, 2, &amp; 3</td>
</tr>
<tr>
<td></td>
<td>Microsoft Applications 1, 2</td>
<td>Intro to Medical Careers 1 &amp; 2</td>
</tr>
<tr>
<td></td>
<td>Retail Store Operations</td>
<td>Intro to Nutrition and Fitness/Science of Nutrition &amp; Health</td>
</tr>
<tr>
<td></td>
<td>Web Design</td>
<td>Intro to Physical Fitness Tech/Physical Fitness Design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sports Medicine 1 &amp; 2</td>
</tr>
</tbody>
</table>

### STEM - Science, Technology, Engineering, and Math

<table>
<thead>
<tr>
<th>Conservation/Wildlife Biology 2</th>
<th>Composites/Manufacturing A &amp; B</th>
<th>Drone Piloting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Science</td>
<td>Power Sports 1, 2, 3</td>
<td></td>
</tr>
</tbody>
</table>
2022-2023 Fast Start Information

Fast Start - 7th and 8th Grade

With the passing of E2SHB 1599 in June of 2019, credit is automatically granted to students for high school courses taken in middle school. The course, grade and credit for the high school course will be included on the student’s high school transcript. Parents can choose to opt out of this credit if desired. High school courses offered in middle school are Algebra and Geometry.
## High School Graduation Credit Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Class of 2020-2023</th>
<th>Class of 2024 and Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>Math</strong></td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>(Algebra, Geometry, Adv. Algebra¹)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>(2 Lab Courses)</td>
<td></td>
<td>(2 Lab Courses)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3²</td>
<td>3²</td>
</tr>
<tr>
<td>Career &amp; Technical Ed</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Health</td>
<td>.5</td>
<td>.5</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Arts</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(1 may be PPR³)</td>
<td></td>
<td>(1 may be PPR³)</td>
</tr>
<tr>
<td>World Languages</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(both can be a PPR³)</td>
<td></td>
<td>(both may be PPR³)</td>
</tr>
<tr>
<td>General Electives</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td><strong>High School and Beyond Plan</strong></td>
<td>Non-Credit Requirement</td>
<td>Non-Credit Requirement</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>24 Credits</td>
<td>26 Credits</td>
</tr>
</tbody>
</table>

¹With approval of the principal, or designee, students may develop an alternate math plan for their third credit.

²Washington State History is part of the Social Studies graduation credit requirement. Any student who transfers from another state having already passed that state’s history, or students who enter from outside the state of Washington
High School Graduation Credit Requirements
during the senior year, will not be required to complete Washington State History. A student may complete Washington State History in middle school or high school. No credit will be earned for the course if completed in middle school.

3 PPR = Personalized Pathway Requests are related courses that lead to a specific post high school career or educational outcome chosen by the student based on the student’s interests and High School and Beyond Plan, may include Career and Technical Education, and are intended to provide a focus for a student’s learning. Students work with school counselors and complete a Personalized Pathway Request.
Advisory
Students work in advisory groups during the school year. These groups are led by teachers who support students in academic and career planning activities and social emotional learning in preparation for their transition to life after high school. Students will complete one of their graduation requirements - their High School and Beyond Plan - during advisory.

Career Centers
Students should establish a career goal early in their high school experience and plan coursework that relates to their future goals. Students who need assistance with determining a career direction may visit the career specialist in their building. Students who want a complete career guidance program may:

- Analyze interests, abilities, and values as they relate to the world of work;
- Research careers of interest to determine which occupations best meet their needs;
- Compare job duties, entry and advanced pay, future outlook, opportunities for advancement, and post-high school education/training preparation;
- Research post-secondary institutions that align with their High School and Beyond Plan;
- Meet with college and career representatives;
- Learn how to pay for college, along with FAFSA/WASFA support;
- Use various resources to determine what high school courses will help them prepare for their chosen career.

All students have the opportunity to use computerized interest inventories, financial aid programs, and college search software in the Career Center. Career Centers also have current information on occupations in Washington State as well as local and national information. Other available services include: resume writing, job shadowing placement, job search assistance, goal planning assistance, varied career-related software.

Academic Guidance
The high school counseling program consists of a set of services conducted by certificated counselors. High school counselors monitor and support students in meeting graduation requirements and planning for post-high school experiences
including advising and scheduling for both graduation and future plans. Counselors provide information regarding college entrance requirements, career and technical training programs, military opportunities, financial aid and scholarships, testing, and other requirements of post-high school training institutions. Counselors review transcripts and graduation status, identify students who are credit deficient, refer students to programs that may fit their needs and interest (Running Start, CTE programs through outside institutions, etc.). Counselors also review student’s class schedule changes. They provide information regarding the sequence of coursework.
To earn a high school diploma, students must complete at least one of the following pathway requirements that are aligned to their *High School and Beyond Plan* in addition to required course credits.

### 1. Demonstrate College & Career Readiness in **ELA** and **MATH**

#### Smarter Balanced (SBA) test in ELA and MATH
The first pathway is to meet graduation cut scores on state tests. All students take the tests in 10th grade with retakes available in 11th and 12th grades. (ELA ≥ 2548, Math ≥ 2595).

**NOTE:** An IEP team may designate the use of WA-AIM instead of SBA.

**Additional ways to demonstrate in ELA**
- ACT ELA with Writing (≥ 14)
- SAT Evidence-Based Reading and Writing (≥ 410)
- AP Exam (≥ 3) or course grade (≥ C+)
  - AP English Language
  - AP English Literature
  - AP Macro/Microeconomics
  - AP Psychology
  - AP Comparative Government
  - AP US Government
  - AP US History
  - AP World History
- Dual Credit ELA course (earn high school ELA credit and ability for college ELA credit)
  - College in the High School
  - CTE Dual Credit
  - Running Start
- Bridge to College ELA (1.0 credit)
- Cambridge A/AS Exam (E or better) or course grade (≥ C+)
  - English Language, Literature in English, English General Paper, Psychology, History, Sociology, Global Perspective and Research, or Law

**Additional ways to demonstrate in MATH**
- ACT Math (≥ 16)
- SAT Math (≥ 430)
- AP Exam (≥ 3) or course grade (≥ C+)
  - AP Calculus
  - AP Statistics
  - AP Computer Science A
  - AP Computer Science Principles
- Dual Credit Math course (earn high school Math credit and ability for college Math credit)
  - College in the High School
  - CTE Dual Credit
  - Running Start
- Bridge to College Math (1.0 credit)
- Cambridge A/AS Exam (E or better) or course grade (≥ C+)
  - Mathematics or Further Mathematics

### 2. Demonstrate Career Readiness with **CTE** Course Sequence

Students can meet a pathway requirement by earning a minimum of 2.0 credits in a designated CTE pathway that is aligned to their *High School and Beyond Plan*. CTE Pathways can be earned at all high schools and Pierce County Skills Center. CTE pathways are in the following program areas (not all pathways are available at each building):
- Arts & Communications
- Business & Marketing
- Health Sciences
- Human Services
- Information Technology
- Science and Natural Resources

More information about specific courses within those pathways can be found in our course catalog online at bethelsd.org/coursecatalog.

### 3. Demonstrate Armed Services Readiness with **ASVAB** test scores

Students whose *High School and Beyond Plan* includes enlisting in the military can meet pathway requirements with an ASVAB score of 31 or higher. **NOTE:** Different branches may require different cut scores.

Additional options available for students in designated graduation years prior to the class of 2022:
- Expedited Assessment Appeal (class of 2020 and older)
- Special Education: CIA options of Basic, Off-Grade Tests, and LDA (class of 2021 and older)
- GPA Comparison (class of 2020 and older)
- Collection of Evidence – scored and passed in 2019 or earlier (class of 2020 and older)

*Collaboration from Bethel, Tahoma and Bellingham school districts* 1.8.2020

V 1.3.22
World Language Competency-Based Testing

General Information

Who is eligible to take a World Language (WL) test: Any student in grades 8-12 who has obtained language skills outside of the classroom or in the classroom with qualifying courses and grades (see below). Examples include:

- Heritage/Native speakers that have the ability to read, write, speak, and listen in a language other than English
- Students who have lived abroad and acquired reading, writing, listening, and speaking skills in a language other than English
- Seniors who have completed their 3rd year or beyond in a world language and earned an A- or A in both terms (ex: 3A and 3B) may take a world language test in the corresponding language to show eligibility for the Seal of Biliteracy (see below/link)

Which language can I test in?: Many (not all) languages are available. You will need to know how to speak, listen, read and write in your selected language. Please see your counselor for the list of available languages.

What can I earn?: Up to 4 WL credits plus eligibility for the Seal of Biliteracy (Earned or Proficient).

What if I already have WL credits from a class?: Students who are taking a class can receive additional credits by taking the competency-based test but cannot exceed 4 total credits in the same language.

Example #1: You earn 2 credits in high school Spanish. Then you take the WL test in Spanish and earn 3 credits, the equivalent to 3 years of seat-time. On your transcript, it will show the additional Spanish 1 credit (3 minus 2) for a total of 3 credits in Spanish.

Example #2: You earn 2 credits in high school Spanish. Then you take the WL competency test in Korean and you earn 3 credits. Your transcript will show 2 credits in Spanish and 3 credits in Korean.

Is there a cost?: These tests are free to Bethel Students taking the test for the first time. Bring your photo ID.

How do I begin? Register for the WL Competency Test at your school! See your counselor for more information.
Seal of Biliteracy

What is the Seal of Biliteracy?

The Washington State Seal of Biliteracy is established to recognize public high school graduates who have attained a high level of proficiency in speaking, reading, listening, and writing in one or more world languages in addition to English. "Participating school districts with students eligible to receive the Seal, shall place a notation on a student's high school diploma and high school transcript indicating that the student has earned the Seal." ([RCW 28A.230.125](https://app.leg.wa.gov/bill?Isbn=01204427400000&Session=2021 R&BillType=1&SessionYear=2021&Act=387&Date=2021-06-28&Bill=01204427400000&Section=28A.230.125))

The Seal will be available to districts to formally recognize students that demonstrate:

- **Proficiency in English**
  - passed the ELA state assessment or
  - met the ELA graduation requirements via alternative methods

- **Proficiency in a language** other than English.
  - Eligible to receive 4 credits on one of the state approved World Language Competency-Based tests
  - Receives a 3 or higher on the AP Language Exam
  - Receives a 4 or higher on the IB Language Exam

Who is eligible for the Seal?

- Students who meet **BOTH** the Proficiency in English AND a language other than English will earn a Seal of Biliteracy-**Earned**
- Students who meet Proficiency in a language other than English **BUT NOT** Proficiency in English will earn a Seal of Biliteracy-**Proficient**

How will these students be recognized?

- Marked on student’s transcript (Earned/Proficient)
- Seal/sticker to go on diploma (Earned only)
- Certificate of Achievement of the Seal (Earned only)
- Medallions to wear at graduation (Earned only)
2022-2023

Eligibility for Athletics/Activities at NCAA Colleges

NCAA approved courses are noted in the course descriptions. Any course without the NCAA notation is not an eligible course.

Academic Standards

The NCAA Eligibility Center verifies the academic and amateur status of all student-athletes who wish to compete in Division I or II athletics.

College-bound student-athletes who want to practice, compete and receive athletically related financial aid during their first year at a Division I or II school need to meet the following requirements:

- Graduate from high school.
- Complete a minimum of 16 core courses for Division I or II.
- Earn a minimum required grade-point average in core courses.
- Earn a qualifying test score on either the ACT or SAT.
- Request final amateurism certification from the NCAA Eligibility Center.

For Division I student-athletes, the following must be completed in addition to the above standards:

- Earn at least a 2.3 grade-point average in core courses.
- Meet an increased sliding-scale standard (for example, an SAT score of 820 requires a 2.5 high school core course GPA)
- Successfully complete 10 of the 16 total required core courses before the start of their seventh semester in high school. Seven of the 10 courses must be successfully completed in English, math and science.

Students who earn at least a 2.0 GPA and meet the current sliding-scale standard will be eligible for practice in the first term and athletically related financial aid the entire year, but not competition. Freshmen who are academically successful in the first term will earn the ability to continue to practice for the remainder of the year.

Division III colleges and universities set their own admission standards. The NCAA does not set initial-eligibility requirements in Division III.
The Pierce County Skills Center offers year-long Career and Technical Education programs designed to give students an in-depth look into specific career fields. PCSC courses are taught by industry professionals in state-of-the-art facilities. PCSC programs earn high school and college credit and prepare students to successfully transition to post-secondary education and the workforce. Additional details about PCSC programs can be viewed here.

- Students attend their home high school for ½ day and PCSC for the other ½ day
- PCSC serves high school juniors and seniors
- Programs are tuition free, but may have program/testing fees
- Transportation is provided to and from each high school
- Students may earn up to 1.5 high school credits per trimester (total of 4.5 credits per year)
- Session Times: AM Session – 7:55am-10:25am, PM Session – 11:15am-1:45pm
- There is no cost to attend PCSC; however, some programs do have uniform and/or program fees

Students interested in attending PCSC should meet with their counselor to review credit status and complete a PCSC application. Applications for the 2022-2023 school year will be accepted beginning March 1, 2022.

To access the PCSC online application, visit our website at www.pcskillscenter.org.

2022-2023 Program Descriptions
Aerospace Composites
The Aerospace Composites program is designed to prepare students to fabricate, assemble and repair composite materials. Students design, build and repair composite parts and assemblies using the same techniques as our industry partners. Year 2 option available with instructor permission.
Dual Credit: Up to 14 credits
Certifications: First Aid/CPR, Locally-Developed Manufacturing Certificate
Credit Equivalency: Technical/3rd Year Math - 1.5, Occupational Ed - 3.0 (Per Year)
**Aerospace Machining/Fabrication**
The Aerospace Machining/Fabrication program is designed to teach hands-on skills, processes, and technologies used in the aerospace and manufacturing industry. Students will learn technical sketching, precision measurement, computer-aided design/programming, fabrication/assembly, welding, and computer-aided manufacturing. Year 2 option available with instructor permission.

**Dual Credit:** Up to 23 credits

**Certifications:** First Aid/CPR, Locally-Developed Manufacturing Certificate

**Credit Equivalency:** Technical/3rd Year Math - 1.5, Occupational Ed - 3.0 (Per Year)

**Automotive Technology**
The Automotive Technology program is designed to train students for a variety of jobs within the automotive industry. Students will focus on maintenance and light repair in an environment set up just like an automotive service department. Students will service and diagnose vehicles, complete tune-ups, conduct brake and suspension repairs, and perform wheel alignments. Year 2 option available with instructor permission.

**Dual Credit:** Up to 13 credits

**Certifications:** First Aid/CPR, ASE (varies - up to 10 certifications available), Valvoline, SP2

**Credit Equivalency:** Occupational Ed - 4.5 (Per Year)

**Construction Trades**
The Construction Trades program is a State of Washington approved pre-apprenticeship program designed to prepare students for direct entry into an apprenticeship by meeting rigorous academic and industry standards. This course covers both residential and commercial construction with an emphasis on job site safety through hands-on projects, guest speakers and field trips. Students will learn framing, roofing, blueprint reading, estimating costs, and site preparation. Students who meet ALL course competencies with a B or better will be granted preferred enrollment and advanced placement in the Carpenters-Employers Apprenticeship & Training Trust Fund. Year 2 option available with instructor permission.

**Dual Credit:** Up to 25 credits

**Certifications:** First Aid/CPR, Carpenters 1, 2 & 3, Forklift, OSHA 10, Pre-Apprenticeship Certificate

**Credit Equivalency:** Technical/3rd Year Math - 1.5, Occupational Ed - 3.0 (Per Year)

**Cosmetology**
The Cosmetology program is designed to train students in haircutting, current styling trends, hair coloring, and safety and sanitation in a hair salon setting. Students will
begin the program in July before their senior year through the next August after graduation and will earn the 1,400 hours (5 quarters) of instruction required to take the state licensing examination. Students are encouraged to attend Clover Park Technical College for two additional quarters to earn an Associate’s Degree. Students must be prepared to attend classes in the evenings and must provide their own transportation.

**Program Requirement:** Students must be a senior.

**Off Site:** Clover Park Technical College

**Dual Credit:** Up to 93 credits

**Certifications:** Washington State Cosmetology License

**Credit Equivalency:** Chemistry-Other - 1.5, Occupational Ed - 3.0 (Per Year)

**Criminal Justice**
The Criminal Justice program is designed to prepare students with preliminary training for careers in law enforcement. Upon completion of this program, students will have a working knowledge of criminal law, policing procedures, forensics, and their application to the various divisions of the criminal justice system.

**Dual Credit:** Up to 17 credits

**Certifications:** FEMA Incident Command Systems 100, 200 & 700; First Aid/CPR

**Credit Equivalency:** Fitness & Conditioning Activities - 1.5, CWI or Civics - 1.5, Occupational Ed - 1.5 (Per Year)

**Culinary Arts**
The Culinary Arts program is designed to prepare students for a promising career in the food service or hospitality industry. Students will learn kitchen procedures, sanitation and safety, menu planning and costing, dining room service, baking/food preparation, and banquet and catering service taught by industry professionals in a state-of-the-art facility. Students will also assist in the operation of our on-site café, *The Glacier Grill*. Year 2 option available with instructor permission.

**Dual Credit:** Up to 15 credits

**Certifications:** WA State Food Handler’s Permit, National ServeSafe Certification, First Aid/CPR

**Credit Equivalency:** Creative Arts-Sculpture - 1.0, Occupational Ed – 3.5 (Per Year)

**Fire Science & Emergency Services**
The Fire Science & Emergency Services program is designed to prepare students for a career as a firefighter and other emergency services careers such as, EMT, fire investigator, and building investigator. Students will learn the academic requirements associated with being a firefighter including wildland firefighting. Students will use industry firefighting equipment such as hoses, turnout gear, SCBAs, and a working fire engine. Year 2 option available with instructor permission.

**Dual Credit:** Up to 15 credits

**Certifications:** First Aid/CPR, FEMA Incident Command Systems 100, 200 & 700,
Wildland Firefighting

**Credit Equivalency:** Fitness & Conditioning Activities - 1.5, Occupational Ed - 3.0 (Per Year)

**Information Technology Services (ITS) & Cybersecurity**
The ITS & Cybersecurity program is designed to provide students with a broad understanding of the installation, troubleshooting, and management of computers, hardware, and computer networks in alignment to industry standards. Students will also learn cybersecurity fundamentals and automation for factories using Programmable Logic Controllers (PLCs). Year 2 option available with instructor permission.

**Dual Credit:** Up to 17 credits

**Certifications:** A+, Network+, Security+, PC Pro, Ethical Hacker Pro, MCSE (Testing Fees May Apply)

**Credit Equivalency:** Technical/3rd Year Math - 1.5, Occupational Ed - 3.0 (Per Year)

**Medical Careers (NA-C)**
The Medical Careers program is designed to prepare students for initial certification as a Nursing Assistant (NA-C) as well as continued training in nursing. Students spend time in the classroom and in an assisted living facility learning many procedures for patient care including: taking blood pressure, temperature, pulse and respirations, as well as learning how to bathe, groom, feed, lift, exercise, and position patients. Transportation is required for clinicals.

**Program Requirements:** Students must be a senior and pass a criminal background check.

**Prerequisite:** Successful completion of Biology or other related science class.

**Dual Credit:** Up to 22 credits

**Certifications:** First Aid/CPR, Nursing Assistant Certification, WA State HIV/AIDS Training

**Credit Equivalency:** Health - 1.5, Biology-Other - 1.5, Occupational Ed - 1.5 (Per Year)

**Pre-Pharmacy Technology**
The Pre-Pharmacy Technology program introduces students to the skills needed for entry-level positions in retail, hospital or mail-order pharmacies. Students will learn how to process prescriptions, prepare IV medications, order and stock medications, as well as operate and troubleshoot automated drug dispensing systems. Students will also learn about disease, medication therapy, anatomy & physiology and medical terminology. This program will provide a foundation for students who want to pursue a career as a pharmacy technician or pharmacist.

**Prerequisite:** Biology or other related science class.

**Dual Credit:** Up to 7.5 credits

**Certifications:** First Aid/CPR, Pharmacy Assistant, HIPAA, WA State HIV/AIDS

**Credit Equivalency:** Anatomy & Physiology - 1.0, Health - 1.0, Life Science - 1.0, Occupational Ed - 1.5 (Per Year)
Pre-Physical Therapy & Sports Medicine
The Pre-Physical Therapy & Sports Medicine program is designed to provide students with hands-on experience in evaluation, acute care and rehabilitation skills. This program will also teach students about Kinesiology (the study of human movement), human anatomy and physiology, ethics, and taping procedures. This course is a first stop for students interested in becoming a certified athletic trainer, strength and conditioning coach, physical therapy assistant or physical therapist. Year 2 option available with instructor permission.
Prerequisite: Biology or other related science class.
Dual Credit: Up to 15 Credits
Certifications: First Aid/CPR
Credit Equivalency: Anatomy & Physiology - 1.5, Fitness & Conditioning Activities - 1.5, Occupational Ed - 1.5 (Per Year)

Pre-Veterinary Technology
The Pre-Veterinary Technology program is designed to prepare students for a career in animal healthcare and provides a foundation for employment in fields such as veterinary medicine, agriculture, research, and fish and wildlife, as well as, training in grooming services. Students will gain experience through classroom activities and daily handling of resident animals in a realistic setting that models worksites in the industry. Year 2 option available with instructor permission.
Prerequisite: Successful completion of high school Biology or equivalent class.
Dual Credit: Up to 2 credits
Certification: First Aid/CPR
Credit Equivalency: Zoology - 1.5, Occupational Ed - 3.0 (Per Year)

Video Game Development/AP Computer Science Principles
The Video Game Development program is designed to teach students to create video games using trigonometry and higher math, computer programming in C#, as well as 2D and 3D animation. This course will prepare students with the skills necessary for the video game industry’s need for qualified video game programmers and artists. Year 2 option available with instructor permission.
Prerequisite: Successful completion of Algebra I
Dual/College Credit: Up to 5 credits. Students will also take the Advanced Placement Computer Science Principles exam
Certifications: Unity, First Aid/CPR
Credit Equivalency: Technical/3rd Year Math - 1.5, Occupational Ed - 3.0 (Per Year)
Planning During High School for Success After High School

There are a number of decisions that students should consider as they plan their high school course selection. Students should visit the Career Center in their school and consistently attend any pertinent career seminars, information nights, or any other planning activities offered by the high school. It is important that students realize that each course selected should be chosen while considering post-high school options.

The list of planning resources below will help you make the most of your time in high school and prepare you for a smooth transition to post-secondary opportunities.

**Planning Resources**

  - Advisory & Career Centers
  - Career / College Testing
  - College Admission Requirements
  - NCAA Eligibility
  - Planning Tasks by Grade Level
  - Xello
  - Career Pathways
2022-23 Running Start Information

Background
Running Start is a statewide program that allows eligible high school juniors and seniors to enroll in tuition-free courses at local colleges and earn both high school and college credit. Students may enroll part-time or full-time at the college. In order to be eligible, you must meet the community/technical college placement requirements.

Students may take **up to 15 free credits each quarter**. The Running Start program is not available in the summer. However, students who are eligible for the program may register for summer classes at their own expense.

High school graduation requirements are established by the Bethel School District. Students must consult with their high school counselors to identify how college courses will apply toward graduation. **One five-credit course in college earns one full high school credit.**

Running Start credits are transferable to all Washington State public colleges and universities. Students and their parents are encouraged to contact in-state institutions as well as out-of-state colleges for their transfer policies regarding Running Start credits. The type of credits earned will be determined by the college or university.

Eligibility Requirements
1. Must be under the age of twenty-one years of age as of September 1 of the school year.
2. Must be of junior or senior status as determined by the Bethel School District.
3. Must not have earned the required credits for graduation as determined by the Bethel School District prior to the beginning of the school year.
4. Must not possess a high school diploma.
5. Must meet enrollment timelines of chosen institutions.

Fees: Books, supplies, and transportation are the responsibility of the student.
Course Selection Overview

We hope this guide will answer your questions as you select high school courses for registration. Teams from all schools have worked hard to provide the most important and up-to-date information for your use. Below are important considerations in using this document:

- **Availability** - This course catalog is a listing of every course that may be offered at the high school level. Courses may differ by school - not every course listed here may be available at your school.

- **Options** - Each year, individual schools will provide a building-specific list of the courses available on their registration forms.

- **Changes** - Even when a course is listed on a registration form, if there is not sufficient enrollment to run the course, it may be cancelled and replaced on a student’s schedule with an alternative. Also, if a student has omitted a graduation requirement during the selection process, counselors will change the student’s schedule to make sure the student is able to enroll in the courses needed for graduation.

- **Requirements** - Pay close attention to course descriptions as some courses are only available for students in specific grade levels, have fees, or require prerequisites, auditions, or instructor permission.

- **Course length** - Courses are offered in three durations:
  1. Single trimester (12 weeks, .5 credit)
  2. Two trimesters (24 weeks, 1.0 credit)
  3. Three trimesters (36 weeks, 1.5 credits)

- **Questions?** Please contact the counseling office of the appropriate high school for assistance:
  
  - Bethel HS 800-683-7049
  - Challenger HS 800-683-6884
  - Graham Kapowsin HS 800-683-6176
  - Spanaway Lake HS 800-683-5659
The following courses, using the curriculum and examinations offered by Cambridge University, are required of the students in the Cambridge Program at Bethel High School.

The Cambridge advanced level courses are equivalent to those of Advanced Placement (AP) and International Baccalaureate (IB). AICE not only prepares students to get into a university with up to 45 hours of college credit, but it also provides them with the skills required to be successful once there. Students also have an opportunity to earn the AICE (Advanced International Certificate of Education) Diploma through the Cambridge advanced level courses offered at BHS. The AICE Diploma is an award for the completion of a specific number and type of classes that are recognized at many universities throughout the US.

Syllabus Descriptions

English Language Arts

*Cambridge* IGCSE English Language & Literature (9th grade)  (ENG 161/162)
This accelerated course combines two Cambridge IGCSE courses and is designed to enable students to communicate clearly, accurately and effectively in both speech and writing, as well as to read, interpret and evaluate texts through the study of literature in English. Students learn how to employ a wide range of written forms for a variety of purposes, develop a personal style and an awareness of the audience, explore writers’ use of English to achieve a range of effects, and construct informed, personal responses to the material they have studied. Learners are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. Class skills include synthesis, inference, and the ability to order facts and present effectively. This course is based on CIE syllabus 0500 and 0486

*Credit: English Language Arts 1.0 - NCAA approved*

*Cambridge* AICE English General Paper (English Writing) – AS Level (10th grade)  (ENG 261/262/565)
This Advanced Subsidiary (AS) English General Writing course promotes the skills of rational thought, persuasion, analysis, interpretation and evaluation. It encourages the exploration and appraisal of social, cultural, economic, philosophical, scientific and technological issues. Students will develop an understanding and appreciation of individual, social, and cultural diversity as well as maturity of thought and clarity of expression both verbally and in writing. Through the reading of timely literature,
outside novels and works, and current media reports, students will develop critical reading and analysis skills. This course is based on CIE syllabus 8021. (Prerequisite: IGCSE English Language & Literature)  

Credit: English Language Arts 1.0 - NCAA approved

**Cambridge AICE English Language – AS Level (11th grade) (ENG 361/362/566)**
This Advanced Subsidiary (AS) English Language course gives learners the opportunity to study English language and its use in contemporary communication. It aims to encourage a critical response to texts in a range of forms, styles and contexts, and to promote skills of communication, reading, research and analysis. Through their study, learners will develop an ability to read and analyze material, gaining further knowledge and understanding of English language features and issues, and writing clearly, accurately, creatively and effectively for different purposes and audiences. This course is based on CIE syllabus 9093. (Prerequisite: AICE English General Paper)  

Credit: English Language Arts 1.0 - NCAA approved

**Cambridge AICE Literature in English – A Level (12th grade) (ENG 451/452/553)**
This Advanced (A Level) English Literature course provides students with an opportunity to study several pieces of literature in four genres in order to gain a greater understanding of literary techniques, themes, purpose, etc. Students will read assigned literature at home and spend class time dissecting the material through a variety of venues. Students will also learn to express their interpretations of the works through written analytical essays that demonstrate a strong grasp of the English language. This course is based on CIE syllabus 9695. (Prerequisite: AICE English Language)  

Credit: English Language Arts 1.5 - NCAA approved

**Mathematics**

**Cambridge IGCSE Mathematics (Geometry) (9th or 10th Grade) (MTH 153/154/559)**
An essential subject for all learners, Cambridge IGCSE Mathematics encourages the development of mathematical knowledge as a key life skill, and as a basis for more advanced study. The syllabus aims to build learners' confidence by helping them develop a feel for numbers, patterns and relationships, and places a strong emphasis on solving problems and presenting and interpreting results. IGCSE reviews basic mathematics, builds skills in algebra, introduces probability and statistics and emphasizes geometric concepts. Learners also gain an understanding of how to communicate and reason using mathematical concepts. This course is based on CIE syllabus 0580. (Prerequisite: Successful completion of Algebra 1)  

Credit: Mathematics 1.5 - NCAA approved

**Cambridge AICE Mathematics 1 (Advanced Algebra) – Level 1 (9th, 10th, or 11th Grade) (MTH 161/162/561)**
2022-2023 Cambridge Offerings

Cambridge International AS and A Level Mathematics builds on the skills acquired at Cambridge IGCSE level. Topics of study during year 1 include coordinate geometry, exponent and root properties, functions and their graphs, quadratics, inequalities, and an introduction to differentiation. This course is based on CIE syllabus 9709. (Prerequisites: IGCSE Mathematics or successful completion or both Algebra 1 and Geometry required)  
*Credit: Mathematics 1.5 - NCAA approved*

**Cambridge AICE Mathematics 2 (Pre-Calculus) – Level 2 – AS Level (10th, 11th or 12th Grade) (MTH 261/262/562)**
This Advanced Subsidiary (AS) Mathematics course builds on the skills acquired at Cambridge IGCSE and AICE Mathematics 1. The syllabus allows teachers to choose from three different routes to Cambridge International AS Level Mathematics: Pure Mathematics, Pure Mathematics and Mechanics or Pure Mathematics and Probability and Statistics. Concepts from Level 1 continue to develop with the addition of sequences, binomial expansion, trigonometry, vectors, derivatives (first and second), volume of revolution, integration and radian measure. This course is based on CIE syllabus 9709.  
(Prerequisite: AICE Mathematics 1)  
*Credit: Mathematics 1.5 - NCAA approved*

**Cambridge AICE Mathematics 3 (Calculus) – Level 3 – AS Level (11th or 12th grade) (MTH 453/454/566)**
This Advanced Subsidiary (AS) Mathematics course, consisting of Pure Mathematics 2 & 3, is equivalent to first year college calculus. In the area of Pure Mathematics 2 the curriculum consists of polynomials, modulus functions, exponential function, circular measure, trigonometry, series, differentiation, and integration. Students are required to recognize appropriate mathematical procedures for a given situation. They must apply combinations of mathematical skills and techniques in solving problems. The presentation of mathematical work and the ability to communicate conclusions in a clear and logical way is required. This course is based on CIE syllabus 9709.  
(Prerequisite: AICE Mathematics 2)  
*Credit: Mathematics 1.5 - NCAA approved*

**Cambridge AICE Calculus 2/Statistics – AS Level (11th or 12th grade) (MTH 361/362/564)**
Cambridge International AS and A Level Mathematics builds on the skills acquired at Cambridge IGCSE, AICE Mathematics Levels 1, 2, & 3. Further study of statistics and probability are also studied including topics such as representations of data, measures of location and spread, probability including permutations and combinations, probability and binomial distributions, expectation and variable of a random variable, the normal distribution. This course is based on CIE syllabus 9709. (Prerequisite: AICE
Mathematics 3)

*Credit: Mathematics 1.5 - NCAA approved*

**Cambridge AICE Calculus 2/Mechanics – AS Level (11th or 12th grade) (MTH 455/456/568)**

This Advanced Subsidiary (AS) Mathematics course, consisting of pure mathematics and mechanics, is equivalent to first year college calculus. In the area of pure mathematics, the curriculum consists of quadratics, functions, coordinate geometry, circular measure, trigonometry, vectors, series, differentiation, and integration. In the area of mechanics the curriculum consists of forces and equilibrium, kinematics of motion in a straight line, Newton's laws of motion, energy, work and power. Students must demonstrate understanding of relevant mathematical concepts, terminology and notation. The course requires accurate recall and successful use of appropriate manipulative techniques. Students are required to recognize appropriate mathematical procedures for a given situation. They must apply combinations of mathematical skills and techniques in solving problems. The presentation of mathematical work and the ability to communicate conclusions in a clear and logical way is required. This course is based on CIE syllabus 9709. (Prerequisite: AICE Mathematics 3) *Credit: Mathematics 1.5 - NCAA approved*

**Science**

**Cambridge IGCSE Coordinated Science (9th grade) (SCI 167/168/567)**

Cambridge IGCSE Co-ordinated Sciences gives learners the opportunity to study biology, chemistry and physics within a scientifically coherent syllabus and is accepted by universities and employers as proof of essential knowledge and ability. As well as a subject focus, the Cambridge IGCSE Co-ordinated Sciences syllabus encourages learners to develop: A better understanding of the technological world, with an informed interest in scientific matters – A recognition of the usefulness (and limitations) of scientific method, and how to apply this to other disciplines and in everyday life -- A relevant attitudes, such as a concern for accuracy and precision, objectivity, integrity, enquiry, initiative and inventiveness – An interest in, and care for, the environment – A better understanding of the influence and limitations placed on scientific study by society, economy, technology, ethics, the community and the environment and – An understanding of the scientific skills essential for both further study and everyday life. Biology topics include: Characteristics of living organisms; Cells, Biological molecules; Enzymes; Plant nutrition; Animal nutrition; Transport; Gas exchange and respiration; Coordination and response; Reproduction; Inheritance; Organisms and their environment; and Human influences on ecosystems. Chemistry topics include: The particulate nature of matter; Experimental techniques; Atoms;
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elements and compounds; Stoichiometry; Electricity and chemistry; Energy changes in chemical reactions; Chemical reactions; Acids, bases and salts; The Periodic Table; Metals; Air and water; Sulfur; Carbonate; and Organic chemistry. Physics topics include: Motion; Work, energy and power; Thermal physics; Properties of waves, including light and sound; Electricity and magnetism; Electric circuits; Electromagnetic effects and; Atomic physics. This course is based on CIE syllabus 0654. Credit: Science 1.5 - NCAA approved

Cambridge AICE Biology 1 – AS Level (10th grade) (SCI 163/164/561)
AS Level Biology requires students to be able to demonstrate knowledge and understanding of scientific phenomena, facts, laws, definitions, concepts, theories, vocabulary, instruments and apparatus, scientific quantities and their determination. Students must handle information and solve problems in oral, written, symbolic, graphical, and numerical form. Students must locate, select, organize and present information from a variety of sources. This course requires students to translate information from one form to another, manipulate numerical and other data, to use information to identify patterns, and draw inferences. Presenting reasoned explanations of phenomena, patterns and relationships, making predictions and proposing hypotheses are also required. Students must solve problems of a quantitative nature and apply knowledge and principles to novel situations. Students must demonstrate experimental and investigation skills by their use of apparatus and materials, recording observations and measurements, interpreting and evaluating experimental observations and data, planning and carrying out investigations, and evaluating methods. The Advanced Subsidiary Biology curriculum consists of cell structure, biological molecules, enzymes, cell membranes and transport, cell and nuclear division, nucleic acids, transport in plants and mammals, gas exchange in mammals, infectious disease, and immunity. This course is based on CIE syllabus 9700. (Prerequisite: IGCSE Coordinated Science) Credit: Science 1.0 – NCAA approved

Cambridge AICE Chemistry – AS Level (11th grade) (SCI 371/372/581)
The AS Level Chemistry syllabus includes the main theoretical concepts, which are fundamental to the subject, a section on some current applications of chemistry, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination. The emphasis throughout is on the understanding of concepts and the application of chemistry ideas in novel contexts as well as on the acquisition of knowledge. The course will foster creative thinking and problem-solving skills, which are transferable to any future career path, and AS Level Chemistry is ideal for students who want to study chemistry or a wide variety of related subjects at university or to follow a career in science. This course is based on CIE syllabus 9701. (Prerequisite - IGCSE Coordinated Science and AICE Biology) Credit: Science 1.0 – NCAA approved
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Cambridge AICE Physics – AS Level (12th grade) (SCI 373/374/573)
The AS Level Physics includes the main theoretical concepts, which are fundamental to the subject, a section on some current applications of physics, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination. The emphasis throughout is on the understanding of concepts and the application of physics ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills, which are transferable to any future career path. Cambridge International AS and A Level Physics is ideal for learners who want to study physics or a wide variety of related subjects at university or to follow a career in science. This course is based on CIE syllabus 0625 (Prerequisite - IGCSE Coordinated Science, AICE Biology and AICE Chemistry) Credit: Science 1.5 – NCAA approved

Cambridge AICE Biology 2 - A Level (12th grade) (SCI 375/376/577)
The A Level Biology builds on the skills acquired at Cambridge AS level. The syllabus includes the main theoretical concepts, which are fundamental to the subject, a section on some current applications of biology, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination. The emphasis throughout is on the understanding of concepts and the application of biology ideas in novel contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills, which are transferable to any future career path. Cambridge International Biology is ideal for learners who want to study biology or a wide variety of related subjects at university or to follow a career in science. This course is based on CIE syllabus 9700. (Prerequisite - IGCSE Coordinated Science, AICE Biology, and AICE Chemistry) Credit: Science 1.5 – NCAA approved

Social Studies

Cambridge Thinking Skills and Global Perspectives/Research is a two-year program integrating study of three syllabi in preparation for completion of four assessment components central to earning a Cambridge AICE Diploma at Bethel High School. The three syllabi are Thinking Skills 9694, Economics 0455, and Global Perspectives/Research 9239 AS Level, and an additional independent study A Level research project and paper, considered to be an additional course of study, transforming the Global Perspectives AS Level into an A Level Cambridge course.

Cambridge IGCSE Contemporary World Issues & Economics (Thinking Skills) (9th grade) (SST 161/162)
The AICE Thinking Skills curriculum is designed to prepare students for higher education in a wide range of careers including law, scientific research, social sciences, journalism, medicine, business, accounting, and engineering. This course
2022-2023 Cambridge Offerings

consists of problem solving and critical thinking. The problem-solving component is designed to assess a student’s ability to analyze numerical and graphical information in the context of real life situations and apply appropriate numerical techniques in order to find new information or derive solutions. Students gain skills in the areas of date handling, reading, modeling, and logic and reasoning. Students must apply simple mathematics to new situations in order to demonstrate an ability to manipulate numerical and graphical data. They extract and use relevant data and find methods of using information in order to come to conclusions. Students are required to recognize how the same data may be presented in different forms. Students must be able to think critically about information, evaluate possible reasons for unexpected variations and be able to use information for informed decision making. Central to critical thinking is the notion of argument. Students learn to recognize a reasoned argument as distinct from quarreling, disputing, reporting or explaining. Students are required to understand the common characteristics of reasoning and argument and the use of reasons to support conclusions. Students will develop an understanding of economic theory, terminology and principles. Learners study the economics of different countries and how these interrelate. They also learn to work with simple economics data and to use the tools of economic analysis. Learners apply understanding of economics to current economic issues. The main activities of this course are analysis, evaluation and construction of argument. This course is based on CIE syllabus 0455 & 9694. 

Credit: Social Studies (Contemporary World Issues & Economics) 1.0 - NCAA approved

Cambridge AICE Global Perspectives in International Relations – A Level (10th grade) (SST 261/262/564)
This Advanced (A Level) Social Studies course prepares learners for positive engagement with our rapidly changing world. Learners broaden their outlook through the critical analysis of - and reflection on - issues of global significance. The Cambridge International AS Level Global Perspectives syllabus is based on skills rather than on specific content. Learners develop research, thinking, reasoning and communication skills by following an approach to analyzing and evaluating arguments and perspectives called the Critical Path. The skills gained through study of Cambridge International AS Level Global Perspectives enable students to meet the demands of twenty-first century learning and make a successful transition to study in higher education. This course is based on CIE syllabus 9239. Credit: Social Studies (World History) 1.0 - NCAA approved

Cambridge AICE U.S. History (and Government) – AS Level (11th grade) (SST 361/362/566)
This Advanced Subsidiary (AS) History course explores a variety of approaches to
different aspects of history and government through different interpretations of particular historical and political issues. Student will explore seven units in American history: Westward Expansion and the Taming of the West, 1840-1896; the Impact of Economic Expansion, 1865-1917; Civil War and Reconstruction, 1861-1877; Boom and Bust, 1920-1941; The USA’s Rise as a World Power, 1890-1945; and Social Developments, 1945-1968. This course is based on CIE syllabus 9389. Credit: Social Studies (US History, Civics, & Government) 1.0 - NCAA approved

**Cambridge AICE Modern European History – AS Level (12th grade) (SST 451/452/568)**

This Advanced Subsidiary (AS) History course enables students to understand the developments that shaped Modern European History. This will be achieved with a holistic understanding of Europe as a geographic region for 1789 to 1939. Europe’s key developments will be studied in relation to the wider European context and with attention focused on the broader issues (revolution, nationalism, imperialism, war, and totalitarianism) that helped shape European history. This course is based on CIE syllabus 9389. Credit: Social Studies 1.5 - NCAA approval
Please be advised that all courses listed here are **not necessarily** offered in each high school each trimester.

The listing of a course under a particular subject heading indicates the course qualifies for meeting subject-area requirements for graduation (state statues specifically require some courses). In some cases, courses are listed under more than one subject area. These courses can be used to meet graduation requirements in either subject area but **not** in both.

Prerequisites are designed to ensure appropriate skills in courses that require sequential skill development.
Graduation Pathways / CTE course sequence require 2.0 or more credits or 4 CTE courses from the same pathways with a minimum of 0.5 credits from the advanced CTE Course list.

**Arts & Communications**

**Introductory Courses**
- Digital Photography 1
- Design & Modeling
- Graphic Design 1
- Metal/Jewelry & Design 1
- Stagecraft
- Video Production 1

**Advanced Courses**
- AP Studio Art 2D Design A, B & C
- Digital Photography 2
- Graphic Design 2
- Metal/Jewelry & Design 2
- Advanced Metal/Jewelry & Design
- Video Production 2
- Media Design & Production 1 & 2
- Yearbook Technology A & B

**Business & Marketing**

**Introductory Courses**
- Accounting 1A & 1B
- Business Law
- Digital Communication Tools
- Entrepreneurship
- Financial Fitness A & B
- Intro. To Business & Marketing A & B
- Microsoft Applications 1A & 1B
- Senior Survival
- Street Law
- Web Design 1

**Advanced Courses**
- Business Management
- Entertainment Marketing & eSports
- Microsoft Applications 2A & 2B
- Project Management A
- Retail Store Operations A, B & C
- Sports & Event Marketing
- Work Based Learning
- Yearbook Technology A & B
- Web Design 2
Career and Technical Education
Course Information Listing

It's your future...

Graduation Pathways / CTE course sequence require 2.0 or more credits or 4 CTE courses from the same pathways with a minimum of 0.5 credits from the advanced CTE Course list.

Health Sciences

Introductory Courses
- Family Health
- Introduction to Medical Careers 1 & 2
- Introduction to Nutrition & Fitness
- Intro to Physical Fitness Technician
- Nutrition & Fitness For Lifelong Health
- Principles of Biomedical Sciences A & B
- Principles of Biomedical Sciences Biology
- Sports Medicine 1A & 1B

Advanced Courses
- Biomedical Innovation A & B
- Human Body Systems A & B
- Chemistry in Human Body Systems
- Medical Interventions A & B
- Physics in Medical Interventions
- Physical Fitness Program Design
- Science of Nutrition & Health
- Sports Medicine 2A & 2B
- Sports Medicine Practicum

Human Services

Introductory Courses
- American Sign language 1A & 1B
- Child Development 1 & 2
- Culinary Arts 1 & 2 (CHS only)
- Culinary Essentials 1 & 2

Advanced Courses
- American Sign Language 2A & 2B
- American Sign Language 3A & 3B
- AP Psychology 1, 2 & 3
- Careers in Education A & B
- Careers in Education: Practicum C
- Culinary Arts 3 (CHS only)
- Culinary Essentials 3

Junior Reserve Office Training Corps.
- Army JROTC 1-4
- Air Force JROTC 1-4
- Navy JROTC 1-4
# Career and Technical Education
## Course Information Listing

It's your future...

Graduation Pathways / CTE course sequence require 2.0 or more credits or 4 CTE courses from the same pathways with a minimum of 0.5 credits from the advanced CTE Course list.

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Career and Technical Education
Course Information Listing

It's your future...

Graduation Pathways / CTE course sequence require 2.0 or more credits or 4 CTE courses from the same pathways with a minimum of 0.5 credits from the advanced CTE Course list.

**STEM: Science, Technology, Engineering & Math**

**Introductory Courses**
- Power Sports Equipment 1A & 1B
- Construction Technology
- Design & Modeling
- Drone Piloting (UAS)
- Intro to Engineering Design A & B

**Advanced Courses**
- Computer Integrated Manufacturing A & B
- Drone Design & Engineering
- Environmental Sustainability
- Aerospace Engineering A & B
- Power Sports Equipment 2A & 2B
- Power Sports Equipment 3A & 3B
- Principles of Engineering/Robotics A & B
2022-23 Course Offerings
CTE Arts & Communications

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

**Equivalency Credits:** Many CTE courses may apply to other academic areas.

**College Credit:** Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

- CTE Fine Art Technology
- Digital Photography
- Video Production
- Advanced Placement
- Metals, Jewelry & Design
- Theatre
- Business Communications

**CTE: Fine Arts Technology**

**Graphic Design 1 & 2 (CTA 253/254)**
*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE or Fine Arts or Elective 0.5*
*College Credit may be available; see note at beginning of Career/Technical Education Section*

Students explore two-dimensional design through the development of typography, logos, trademarks and advertising art. The artistic process is implemented while students create "camera-ready" art. Techniques may include block printing, use of the computer as a graphic design tool, digital image manipulation and computer animation. This course includes a study of the elements and principles of art. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA or FBLA.

**Design & Modeling (CTA 211)**
*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE, Fine Arts, or Elective 0.5*

This stand-alone trimester class is intended to introduce students to the concepts of design and modeling. Through the use of industry standard software, students will be able to unleash the power of CAD (Computer Aided Design) by creating and modeling unique creations of their own. Students will learn the tools needed to model designs that can then be created by 3D printing, laser engraving, and vinyl...
2022-23 Course Offerings
CTE Arts & Communications

sign cutters. Students are encouraged to be involved in the Career Technical Student Organization within their school: Robotics

Note: For students interested in pursuing Engineering as a career pathway, please refer to the two-trimester course, Engineering Essentials, as this course is not a prerequisite for the Engineering Pathway.

CTE: Digital Photography

Digital Photography 1 (CTA 201)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Fine Art, or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section

Students are introduced to the techniques and technology of journalistic, fine art and graphic design digital photography. Students will create color and black and white digital prints and digital portfolios. A 5 megapixel or better camera is provided. This course includes a study of the elements and principles of art. Some digital cameras may be available for overnight and weekend use. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.

Digital Photography 2 (CTA 255)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Fine Art, or Elective 0.5
Prerequisite: Successful completion of Digital Photography 1
College Credit may be available; see note at beginning of Career/Technical Education Section

Students continue developing the skill of journalistic, fine art and digital photography, and will explore industrial photography, studio photography, and photo stitching. Emphasis is placed on individual projects, portfolios and personal time management. Students should have access to a 10 megapixel camera or better (limited classroom cameras may be available for student use.) This course includes a study of the elements and principles of art. Some digital cameras may be available for overnight and weekend use. Artistic vision is encouraged through class discussion and critiques. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.
2022-23 Course Offerings
CTE Arts & Communications

**CTE: Advanced Placement Arts**

AP Studio Art 2D Design A, B, & C (CTA 461/462/563)

*Grade Level: 11, 12 repeatable*

*Credit: Occupational/CTE, Fine Arts or Elective 1.5*

*Prerequisite: Photo 1 & 2, Graphic Design 1 & 2)* - application process

Advanced Placement provides the high school student with the opportunity to receive university credit by submitting a portfolio to the AP College Board. Students must be responsible and able to work independently on a contract basis. To assist the student in the successful completion of a portfolio, development of a personal style, aesthetic and artistic vision is encouraged through class discussion and critiques. Weekly individual critiques and a culminating student show are required. Completion of the Advanced Placement Portfolio is required. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.

**CTE: Video Production**

Video Productions 1  (CTT 103)

*Grade Level: 9, 10, 11, 12*

*Credit: Occupational/CTE, Fine Art or Elective 0.5*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

This course allows individuals to learn all the basics of video productions including basic writing, video, audio, lighting and editing. Students will work in small groups to produce and edit projects. After completing the course, students will be prepared for Video Productions 2 or Media Design and Production. This course includes a study of the elements and principles of art. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.

Video Productions 2  (CTT 163)

*Grade Level: 9, 10, 11, 12*

*Credit: Occupational/CTE, Fine Art or Elective 0.5*

*Prerequisite: Successful Completion of Video Productions 1 or instructor permission.*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

2022-23 Course Offerings
CTE Arts & Communications

This course follows Video Productions 1. Students will continue to develop writing, video, audio, lighting, and editing skills. They will form production groups to create a ten-minute film, a ten-minute documentary and a ten-minute infomercial. This course includes a study of the elements and principles of art. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.

Media Design & Production 1 & 2 (CTT 101/102)

*Grade Level: 9, 10, 11, 12*
*Credit: Occupational /CTE or Elective 1.0*
*Prerequisite: Successful Completion of Video Productions 1 or instructor permission.*

College Credit may be available see note at beginning of Career/Technical Education Section

Students will work in groups while learning to write and produce news, sports, and entertainment features for regularly scheduled broadcasts. Students will also be involved in the production of a video yearbook for their school. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.

**CTE: Metals, Jewelry & Design**

Metals/Jewelry & Design 1 (CTA 251)

*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE or Fine Arts or Elective 0.5*

Students will explore jewelry design using the elements and principles of the visual arts as they apply to “miniature three-dimensional sculptures.” Fabrication techniques using hot and cold joining will be employed to create rings, pins, pendants and other jewelry pieces. Students are encouraged to be involved in the Career Technical Student Organization within their school: Jewelry Club.

Metals/Jewelry & Design 2 (CTA 261)

*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE or Fine Arts or Elective 0.5*
*Prerequisite: Successful completion of Metals/Jewelry Design 1 with a C grade or better.*

Students will continue to develop jewelry design and techniques as they explore the jewelry making process. Development of a personal style, aesthetic and artistic vision is encouraged through class discussion and critiques. Students are encouraged to be involved in the Career Technical Student Organization within their school: Jewelry Club.
2022-23 Course Offerings
CTE Arts & Communications

Club.

Advanced Metals/Jewelry & Design  (CTA 262)
Grade Level: 9, 10, 11, 12
Credit:  Occupational/CTE or Fine Arts or Elective 0.5
Prerequisite:  Successful completion of Metals/Jewelry Design 2
Students will work to further develop jewelry design and techniques as they master the jewelry making process. Development of a personal style, aesthetic and artistic vision is encouraged through class discussion and critiques. This course will work as an “lab” class in that students will be able to design and create individual advanced art. Students are encouraged to be involved in the Career Technical Student Organization within their school: Jewelry Club.

CTE: Theater

Theater Design & Stagecraft - Introduction (ART 113/114)
Grade Level: 9, 10, 11, 12 repeatable
Credit:  Occupational or Fine Arts or Elective 0.5
This is a one-semester course designed to familiarize students with the basic areas of technical theater. They will learn about set design, set construction, scene painting, light design, and production technologies. This course will include theory and hands-on experiences. Students are encouraged to be involved in the Career Technical Student Organization within their school: Drama Club.

CTE: Business Communications

Yearbook Technology  A & B  (CTT 351/352)
Grade Level: 11, 12
Credit:  Occupational/CTE or Fine Arts or Elective 1.0
Prerequisite:  Successful Completion of Digitools and Instructor Permission
This course is designed to teach students the essentials of advanced desktop publishing and graphic design. This is a project-based class in which students will create school wide flyers, posters and produce the yearbook using various publishing software. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.
2022-23 Course Offerings
CTE: Business & Marketing

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

Equivalency Credits: Many CTE courses may apply to other academic areas.

College Credit: Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

Business Technology | Business Electives | Marketing | Computer Sciences

CTE: Business Technology

Digital Communication Tools (Digitools) (CTB 101)
Grade Level: 9, 10
Credit: Occupational/CTE or Elective 0.5
This course prepares students for digital workplace communications using standard and customized software products. Students will learn about workplace technology using Microsoft Word, Excel, and PowerPoint. Students will also learn some programming basics through animation and gaming. This course is typically taken during the 9th grade year. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

Microsoft Applications 1A & 1B (CTB 218/219)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
College Credit may be available see note at beginning of Career/Technical Education Section
Microsoft Certification Available
Prerequisite: Successful Completion of Digitools
This self-paced course series will guide students through real-life projects using Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access. Throughout this course, students will be eligible to earn industry certification through Microsoft. Microsoft Certifications include both Core and Expert level
2022-23 Course Offerings
CTE: Business & Marketing

certification. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

**Microsoft Applications 2A & 2B (CTB 255/256)**
*Grade Level: 9, 10, 11, 12*  
*Credit: Occupational/CTE or Elective 0.5 / College Credit may be available see note at beginning of the Career/Technical Education Section*  
*Microsoft Certification Available*  
*Prerequisite: Successful Completion of Microsoft Applications 1A & 1B*  
This self-paced course series will guide students through real-life projects using Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access. Throughout this course, students will be eligible to earn industry certification through Microsoft. Microsoft Certifications include both Core and Expert level certification. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

**Web Design 1 (CTT 151)**
*Grade Level: 9, 10, 11, 12*  
*Credit: Occupational/CTE or Elective 0.5*  
*College Credit may be available; see note at beginning of Career/Technical Education Section*  
*Prerequisite: Successful completion of Digitools*  
Students learn to write and diagnose basic HTML by hand to create functional, yet attractive web pages that are designed and structured according to proper design and layout. Students also learn some basic PhotoShop to edit photos for their web pages. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

**Web Design 2 (CTT 263)**
*Grade Level: 9, 10, 11, 12*  
*Credit: Occupational/CTE or Elective 0.5*  
*College Credit may be available; see note at beginning of Career/Technical Education Section*  
*Prerequisite: Successful completion of Web Design 1*  
This course prepares individuals to apply HTML, XML, JavaScript, graphics applications, and other authoring tools to the design, editing and publishing (launching) of documents, images, graphics, sound and multimedia products on the Internet. Includes instruction in Internet theory; web page standards and policies; elements of web page design; user interfaces; vector tools; special effects; interactive
2022-23 Course Offerings

CTE: Business & Marketing

and multimedia components; search engines; navigation; morphing; ecommerce tools; and emerging web technologies. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

CTE: Business Electives

Accounting 1A & 1B (CTB 201/202)

Grade Level: 9, 10, 11, 12
Credit: 3rd year Math Credit 1.0, Occupational/CTE or Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section
Learn how to plan, record, analyze and interpret business transactions. This course begins to prepare individuals to practice the profession of accounting and to perform related business functions. Accounting is the way financial information is kept, reported and interpreted. Business employees, owners, managers, as well as consumers use skills studied in accounting to make good financial decisions. Accountants are in high demand in the job market. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

Business Law (CTB 207)

Grade Level: 11, 12
Credit: Occupational/CTE or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
Students discover and explore rights and duties of citizenship including ethics, contracts, liabilities, tax laws, civil and criminal law. This course emphasizes the application of legal principles and practices. It develops an understanding of the United States legal system and how it is present in all areas of life from before birth to after death. Students will study the sources of law and analyze legal cases related to the protection of individual rights and the responsibility to observe the rights of others. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

Street Law (CTB 208)

Grade Level: 10, 11, 12
Credit: Occupational/CTE, Social Studies elective or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
2022-23 Course Offerings

CTE: Business & Marketing

Criminal Law takes a closer look into the legal system in the US, specifically the criminal and juvenile justice systems. We will touch on both broad and specific legal topics to increase understanding of the law and how it impacts individuals on an everyday basis. Students will have the opportunity to grow and refine their analytical, writing, research, and public speaking skills. Recommended for 10th grade or above.

Financial Fitness A & B (CTB 305/306)

Grade Level: 11, 12
Credit: Occupational/CTE, Elective 1.0, Math Elective 1.0
Prerequisite: Successful completion of Algebra 1.
This course prepares individuals to plan, manage and analyze finances. Students will learn about financial responsibility and decision-making; income; planning and money management; saving and investing; buying goods and services; banking and financial; institutions; credit and debt; and risk management and insurance. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

Senior Survival (CTE 401)

Grade Level: 12
Credit: Occupational/CTE or Elective 0.5
In this one trimester course, students will learn life skills that will help them navigate the adult world after graduation. Instruction will cover understanding phone plans, paychecks, banking, interest rates, investing, taxes, loans, credit cards, job applications, budgets, car leasing/purchasing, rental agreements, bills, health insurance, and overall finances. Learning experiences related to getting and keeping a job, leadership, teamwork, building healthy relationships, dealing with emotions, and being resilient in the face of disappointments and setbacks will also be part of this course. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA or FBLA.

Yearbook Technology A & B (CTT 351/352)

Grade Level: 11, 12
Credit: Occupational/CTE or Fine Arts or Elective 1.0
Prerequisite: Successful Completion of Digitools and Instructor Permission (Recommend completion or Photo 1 & 2 or Graphic Design 1 & 2)
This course is designed to teach students the essentials of advanced desktop publishing and graphic design. This is a project-based class in which students will
2022-23 Course Offerings

CTE: Business & Marketing

create school wide flyers, posters and produce the yearbook using various publishing software. Students are encouraged to be involved in the Career Technical Student Organization within their school: DECA, FBLA or SkillsUSA.
Introduction to Business & Marketing A & B (CTB 214/215)

*Grade Level: 9, 10, 11, 12*

*Credit: Occupational/CTE or Elective 1.0*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

This introductory class will help students learn about careers and concepts in marketing. Students will be able to utilize these concepts regardless of their future employment interests and improve their chances of success in our free enterprise system. Topics explored are leadership development, pricing concepts, product strategy, advertising and sales promotion, visual merchandising and display techniques, job acquisition skills, job safety, starting student businesses in class, and basic selling techniques. This class uses guest speakers to enhance the classroom climate. Additionally, student participation in DECA provides them the opportunity to attend area, state, and international competitions (for detailed information see [www.wadeca.org](http://www.wadeca.org)), which further develop their leadership potential. This course is a prerequisite for Entrepreneurship/Retail Store Operations (working in the student store).

Retail Store Operations A, B, C (CTB 301/302/503)

*Grade Level: 10, 11, 12 Repeatable*

*Credit: Occupational/CTE or Elective 0.5 (Repeatable)*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

*Prerequisite: Successful completion of Intro to Business and Marketing with a C grade or better, a food handler's permit, and Instructor approval. This course does not need to be taken for all three trimesters, but is highly encouraged.*

This course is perfect for marketing students who desire real work experience, who are energetic, and interested in mastering cashiering, food handling, inventory control, and promotion. Students who demonstrate quality work ethic and positive human relations skills will have the option to work in a management role. Successful students will leave with real work experience and letters of recommendation for future employers. Additionally, student participation in DECA provides them the opportunity to attend area, state, and international competitions (for detailed information see [www.wadeca.org](http://www.wadeca.org)), which further develop their leadership potential.
2022-23 Course Offerings
CTE: Business & Marketing

Social Media Marketing (CTB303)
Grade Level: 11, 12
Credit: Occupational/CTE, or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section.
Social Media is changing the way business is done around the world. The intention of this course is to broaden your perspective and train you to approach Social Media Marketing (SMM) from a communication strategist's standpoint. The emphasis of this course is to understand the audience's social interactions, examine the various social media channels available to marketers, learn how to build social media strategies, and practice how to track their effectiveness. Social Media Marketing will guide students in evaluating and the selection of tools to gather and monitor business information and apply strategies to consolidate and manage information streams. Students will create and manage a simulated public online presence using appropriate social media platforms and networks. Students will compare and contract ethical, legal and copyright issues related to social media content and use. Students will plan and create a social media marketing plan for a small business or non-profit organization. Students will research and evaluate emerging social media technologies and processes and identify appropriate application of social media in contemporary organizational situations. Students are encouraged to join their school’s Career Technical Student Organization in FBLA or DECA.

Entrepreneurship (CTB 222)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
Prerequisite: Successful completion of Introduction to Business & Marketing
This course introduces students to a wide array of entrepreneurial concepts and skills, including the role of entrepreneurship in our economy, entrepreneurial discovery processes, ideation, and preliminary start-up venture planning. Students also develop an appreciation for marketing’s pivotal role in the development and success of a new business. They become acquainted with channel management, pricing, product/service management, and promotion. Students conduct thorough market planning for their ventures: selecting target markets; conducting market, SWOT, and competitive analyses; forecasting sales; setting marketing goals and objectives; selecting
marketing metrics; and setting a marketing budget. Students are encouraged to join their school’s Career Technical Student Organization in FBLA or DECA.

Business Management (CTB 226)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
Prerequisite: Successful completion of Introduction to Business & Marketing
This course expands student understanding of business management. It exposes students to several types of management, including customer relationship management, human resources management, knowledge management, information management, project management, quality management, risk management, and strategic management. Business law, communication skills, economics, operations, and professional development are also stressed throughout the course. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Students are encouraged to join their school’s Career Technical Student Organization in FBLA or DECA.

Sports and Event Marketing (CTB 228)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
Prerequisite: Successful completion of Introduction to Business & Marketing
This course develops student understanding of the sport/event industries, their impact on local communities, and products; distribution systems and strategies; pricing considerations; marketing-information management; selling; product/service management, and promotion. Students acquire an understanding and appreciation of the need for planning. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Students are encouraged to join their school’s Career Technical Student Organization in FBLA or DECA.

Entertainment Marketing and eSports (CTB 224)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5 (repeatable)
Prerequisite: Digitools or equivalent
With over 380 million spectators and growing eSports is a worldwide phenomenon.
2022-23 Course Offerings

CTE: Business & Marketing

Over 300 colleges offer eSports programs and more than 100 schools have scholarships. WIAA has recently adopted eSports as an approved activity. The eSports Management Specialization prepares students to turn a passion for gaming into a viable career. Students will focus on eSports coaching, social media, event planning, eSports marketing, project management, and performance training. This suite of skills are all transferable to many areas of business and connect to many high demand fields. Students will get a glimpse into the structures of an organization and how it builds a brand. Students will learn about the jobs available in eSports and where to get started in order to be involved. Students are encouraged to join their school’s Career Technical Student Organization in eSports, FBLA or DECA.

Project Management A (CTE 105)
*Grade Level: 10, 11 & 12*
*Credit: Occupational/CTE or Elective*
This course provides leadership and management guidelines for the project manager in a variety of school-based and community projects and initiatives. Principles of effective planning, communication, motivation, and marketing throughout the project life cycle are the focus of this course. Project Management presents principles of project control from initiation through execution to closure/evaluation in a clear and practical manner. Students are encouraged to join their school’s Career Technical Student Organization in FBLA or DECA.

CTE: Computer Science

AP Computer Science Principles A, B & C (CTT 401/402/507)
*Grade Level: 10, 11, 12*
*Credit: Occupational/CTE, Elective or 3rd Year Math 1.5*
*Prerequisite: Successful completion of Algebra 1*
AP Computer Science Principles (CSP) curriculum is a full year, rigorous, entry level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, bit data digital privacy and security and the societal impacts of computing. Students are encouraged to join their school’s Career Technical Student Organization in eSports, FBLA or DECA.

Computer Programming 1 (CTT 251)
*Grade Level: 10, 11, 12*
*Credit: Occupational/CTE or Elective .5*
2022-23 Course Offerings

CTE: Business & Marketing

Prerequisite: Successful completion of Algebra 1 or AP Computer Science Principles
Introduction to Programming A is a one trimester course that focuses on fundamental computer science concepts while students learn to program using Python. This project based course will allow students to use a variety of tools and platforms. Assignments and instruction are application-based and include socially relevant, real-world, current topics. Students will learn a text-based coding language, Python, with the focus of this course teaching introductory coding concepts such as user inputs and outputs, if/else statements and while loops. Students are encouraged to join their school’s Career Technical Student Organization in eSports, FBLA or DECA.

Computer Programming 2 (CTT 252)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective .5
Prerequisite: Successful completion of Computer Programming 1.
Introduction to Programming B continues where Introduction to Programming A left off. In this project based course students will continue to improve their programming skills using the programming language Python. Students will learn advanced programming skills that include creating colored graphics, using functions, and creating algorithms. Students will produce a final project that incorporates topics such as human computer interaction, problem solving, and basic game design. Students are encouraged to join their school’s Career Technical Student Organization in eSports, FBLA or DECA.

Cybersecurity A & B (CTT301/302)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 1.0
Prerequisite: Successful completion of Algebra
Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, “outside-the-box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security. The course contains the following units of study: Personal Security, System Security, Network Security, and Applied Cybersecurity. Students are encouraged to be involved in the Career Technical Student Organization within their school: eSports, FBLA, DECA or SkillsUSA clubs.
Advanced Placement Computer Science A, B & C (CTT 403/404/505)

Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science, Occupational/CTE or Elective 1.5 NCAA approved
Prerequisite: Successful Completion of Computer Science A with a "C" or better or Successful completion of Introduction to Computer Programming 1 or teacher permission.

Students will learn Java programming. The course emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications.

Completion of the Advanced Placement Exam is required. Students are encouraged to join their school’s Career Technical Student Organization in eSports, FBLA or DECA.
2022-23 Course Offering

CTE: Health Sciences

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

Equivalency Credits: Many CTE courses may apply to other academic areas.

College Credit: Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

Nutrition and Fitness | Medical Careers | Biomedical Sciences | Health

CE: Nutrition and Fitness

Introduction to Nutrition and Fitness (CTF 401)
Grade Level: 9, 10, 11, 12
Credit: Health or Occupational/CTE or Elective .5
College Credit may be available if students take the Introduction to Nutrition & Fitness and Science of Nutrition and Fitness and meet the requirements; see note at beginning of Career/Technical Education Section. This is the first course in the series for Nutrition & Fitness. Students must take this class and may choose either the Science of Nutrition & Health or Nutrition & Fitness for Lifelong Health to complete the series. In this course, students will learn about the role nutrition plays in overall health. Topics will cover basic nutritional needs, digestion, diet analysis, planning balanced meals, how to prepare nutritious foods through healthy cooking, safe and sanitary handling of food, nutrition careers, fitness baseline data, and how to plan and execute a fitness program. The focus is to help students learn how good nutrition and fitness affects health. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA or HOSA

Science of Nutrition and Health (CTF 402)
Grade Level: 9, 10, 11, 12
Credit: Physical Education or Occupational/CTE or Elective .5
Prerequisite: Successful completion of Intro to Nutrition & Fitness (CTF401)
College Credit may be available if students take the Introduction to Nutrition & Fitness and Science of Nutrition and Fitness and meet the requirements; see note at beginning of Career/Technical Education Section. In this course, students will learn in-depth about the role nutrients play in overall health, as well as health implications of nutrient
excesses & deficiencies. Also covered will be safe and sanitary handling of food, nutrition careers, and how to plan and execute a fitness program. Food labs will center around healthy choices for each nutrient. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA or HOSA

**Nutrition and Fitness-for Lifelong Health (CTF 403)**
*Grade Level: 9, 10, 11, 12*
*Credit: Physical Education or Occupational/CTE or Elective .5*
*Prerequisite: Successful completion of Intro to Nutrition & Fitness (CTF 401)*

In this course students will learn about "Nutrition & Fitness for Lifelong Health". Topics will cover wellness, food safety, mental health, weight management, long-term fitness goals and activities, nutrition across the life cycle, meal management and special diets. Food labs will center around special dietary needs. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA or HOSA

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**CTE: Medical Careers**

**Introduction to Medical Careers 1 (CTF 209)**
*Grade Level: 10, 11, 12*
*Credit: Health, Occupational/CTE or Elective 0.5*
*College Credit may be available; see note at beginning of Career/Technical Education Section*

This class offers First Aid and CPR training and students will have an opportunity to test for First Aid and CPR Certifications. This course provides students the opportunity to explore careers in health care. Instruction includes history of health care, in-depth study and exposure to health careers, career planning, employability skills, terminology, ethics, wellness vs. illness, and safety. *Students are strongly encouraged to register for Introduction to Medical Careers 2 the following trimester.* Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA

**Introduction to Medical Careers 2 (CTF 261)**
*Grade Level: 10, 11, 12*
*Credit: Health, Science, Occupational/CTE or Elective 0.5*
*College Credit may be available; see note at beginning of Career/Technical Education Section*
*Prerequisite: Successful Completion of Medical Careers 1*
Students in Introduction to Medical Careers 2 will be introduced to anatomy and physiology (systems of the body), diseases, and nutrition. Medical terminology, legal and ethical considerations, safety, career awareness, and professionalism are also included. Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA

**Sports Medicine 1A & 1B (CTF 211/212)**

*Grade Level: 10, 11, 12*

*Credt: Occupational/CTE, Health, or Elective 1.0*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

*Prerequisite: Successful completion of Introduction to Medical Careers 1*

This course provides an opportunity for the study and application of the components of sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, and immediate care of athletic injuries, rehabilitation and management skills, taping and wrapping techniques, first aid/CPR/AED, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA

**Sports Medicine 2A & 2B (CTF 223/224)**

*Grade Level: 11, 12*

*Credt: Health, Occupational/CTE or Elective 1.0*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

*Prerequisite: Successful completion of Sports Medicine 1A & 1B*

This is an advanced course for students who are interested in the career field of sports medicine. The course is specifically geared for students who have a special interest in athletics, and/or who may be interested in pursuing a career in sports medicine, physical therapy, athletic training or other health-related fields. Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA

**Sports Medicine Practicum (CTF 225)**

*Grade Level: 11, 12*

*Credt: Occupational/CTE or Elective 0.5 (Repeatable)*

*College Credit may be available; see note at beginning of Career/Technical Education Section*
Prerequisite: Enrollment in or successful completion of Sports Medicine 1A & 1B or Sports Medicine 2A & 2B and teacher permission
This is a field experience course for students who are interested in a career field of sports medicine. The course is specifically geared for students who have a special interest in athletics, and/or who may be interested in pursuing a career in sports medicine, physical therapy, athletic training or other health-related fields. Students enrolled in this practicum course will work with school athletes on the field outside of school hours. Independent transportation may be required. Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA

Intro to Physical Fitness Tech (CTF 107)
Grade Level: 10, 11, 12
Credit: Health, Physical Fitness, Occupational/CTE, or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
This course is designed to give students the knowledge and understanding necessary to prepare for the ACE Personal Trainer Certification Exam and become effective personal trainers. Students will also gain knowledge that covers other industry fields; kinesiology, physical therapy, athletic coaching, just to name a few. This course presents the ACE Integrated Fitness Training™ (ACE IFT™) Model as a comprehensive system for designing individualized programs based on each client’s unique health, fitness, and goals. The information covered by this course and the ACE IFT Model will help students learn how to facilitate rapport, adherence, self-efficacy and behavior change in clients, as well as design programs that help clients to improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness, and muscular endurance and strength. This first semester focuses on Intro to Fitness and Wellness, Legal and Ethical Considerations, CPR/AED - Universal Precautions, Human Anatomy, Biomechanics and Kinesiology, Health Screening, and Fitness Testing. Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA

Physical Fitness Program Design (CTF 108)
Grade Level: 10, 11, 12
Credit: Health, Physical Fitness, Occupational/CTE, or Elective 0.5
Prerequisite: Completion of Intro to Physical Fitness Tech
College Credit may be available; see note at beginning of Career/Technical Education Section

This is the second course in the series which is designed to give students the knowledge and understanding necessary to prepare for the ACE Personal Trainer Certification Exam and become effective personal trainers. This second course focuses on Health Related Fitness Principles and Exercise Physiology, Nutrition, Drugs and Supplements, Strength Training Program Design, Health Screening, Fitness Testing, and Evaluation. Students are encouraged to be involved in the Career Technical Student Organization within their school: WCTSMA
CTE: Biomedical Sciences

Note: The first three years of biomedical sciences meet the Bethel SD science graduation requirements. Students must take all three trimesters when taking this sequence to meet your science requirements.

Year 1 of the sequence -

Principles of the Biomedical Sciences A & B (CTF 219/220)

Grade level: 9, 10, 11, 12
Credit: Occupational/CTE, Biology (Lab Science), Science Elective, Health, Elective 1.0
NCAA approved
This Project Lead the Way (PLTW) course will introduce students to the study of human medicine, research processes, and introduction to bioinformatics, and the use of computer science, mathematics, and information theory to model and analyze biological systems. Students investigate the human body systems and various health conditions including: heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Students determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts including homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops and the relationship of structure to function are incorporated in the curriculum. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA

Principles of the Biomedical Sciences Biology (CTF 226)

Grade Levels: 9, 10, 11, 12
Credit: 0.5 credit Occupational/CTE, Lab Science NCAA approved
Prerequisite: enrollment in the Project Lead the Way science sequence
This course will cover the Life Science and Earth and Space Science standards not addressed in Principles of Biomedical Sciences. Concepts addressed will include: how energy from the sun is transformed to a usable form for the human body; the ecosystems that exist within the human body and factors that impact those ecosystems; how Earth’s history can help solve biomedical issues; and how human impact on Earth can lead to biomedical issues. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA

Year 2 of the sequence -
Human Body Systems A & B (CTF 221/222)

*Grade Levels: 10, 11, 12*

*Credit: 1.0 Occupational/CTE, Lab Science (Chemistry), Science Elective, Health, Elective. NCAA approved*

*Prerequisite: Successful completion of Biology or Principles of Biomedical Sciences*

This PLTW course introduces students to the processes, structures, and interactions of the human body systems. Important concepts in the course include: communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of the body systems and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions and respiratory operation. Students work through interesting real-world cases and play the role of biomedical professionals to solve medical mysteries. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA

Chemistry in Human Body Systems (CTF 230)

*Grade Level(s): 10, 11, 12*

*Credit: 0.5 credit Occupational/CTE, Lab Science NCAA approved*

*Prerequisite: enrollment in the Project Lead the Way science sequence*

This course will cover the Chemistry and Earth and Space Science standards not addressed in Human Body Systems. Concepts addressed will include: properties of atoms and molecules and how the periodic table can be used to predict the behavior of these atoms in the human body; chemical reactions in the human body and factors that influence these reactions; nuclear processes and the role they play in diagnosing and treating conditions in the human body; and current environmental conditions and their effect on the human body. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA

Year 3 of the sequence -

Medical Interventions A & B (CTF 267/268)

*Grade Level: 11, 12*

*Credit: Occupational/CTE, Lab Science (Physics), Health, or Elective 1.0 NCAA approved*

*Prerequisite: Successful completion of Biology or Principles of the Biomedical Sciences*
Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Lifestyle choices and preventive measures are emphasized throughout the course as well as the important roles scientific thinking and engineering design play in the development of interventions of the future. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA

**Physics in Medical Interventions (CTF 228)**

*Grade Level(s):* 11, 12  
*Credits:* Credit: 0.5 Occupational/CTE, Lab Science (physics) NCAA approved  
*Prerequisite:* enrollment in the Project Lead the Way science sequence

This course will cover the Physics and Earth and Space Science standards not addressed in Medical Interventions. Concepts addressed will include: ways to reduce the forces during collisions to minimize the injuries sustained; how wave technologies can be used to diagnose and treat medical issues; and how changes within the Earth and on its surface can impact the health of individuals living on Earth. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA

**Year 4 of the sequence -**

**Biomedical Innovation A & B (CTF 269/270)**

*Grade Level(s):* 12  
*Credits:* Credit: 0.5 Occupational/CTE, Lab Science NCAA approved  
*Prerequisite:* enrollment in the Project Lead the Way science sequence

This course will cover the Physics and Earth and Space Science standards not addressed in Medical Interventions. Concepts addressed will include: ways to reduce the forces during collisions to minimize the injuries sustained; how wave technologies can be used to diagnose and treat medical issues; and how changes within the Earth and on its surface can impact the health of individuals living on Earth. Students are encouraged to be involved in the Career Technical Student Organization within their school: HOSA
Family Health (CTH 301/302)

*Grade Level: 9, 10, 11, 12*

*Credit: Health, Occupational/CTE or Elective 0.5*

Family Health is designed to prepare students for life-long decision making, problem solving, critical thinking, and management skills related to health and wellness issues of families. The topics will enable students to assume an active role in developing healthy lifestyles for themselves and others. Integrating the Washington Health and Fitness standards and competencies from the National Standards for Family and Consumer Sciences Education, this course focuses on the interrelationships of healthy choices and a productive, satisfying life. Upon successful completion of this course, students will earn a .5 “Health” credit. (This class also satisfies the graduation requirement of .5 CTE credit) Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA or HOSA
2022-23 Course Offerings  
CTE: Human Services

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

**Equivalency Credits:** Many CTE courses may apply to other academic areas.

**College Credit:** Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

**Education and Training | American Sign Language (ASL) | Culinary Arts | Culinary Arts CHS | JROTC**

**CTE: Education and Training**

**Child Development 1 (CTF 205)**
*Grade Level: 9, 10, 11, 12*
*Credit: Health, Occupational/CTE or Elective 0.5*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

In Child Development, students will focus on early childhood education as well as learning about making the decision to become a parent, parenting and human development beginning with pregnancy and going through the first two years of life. Students will have the opportunity to experience simulated pregnancy and/or parenting of a newborn with the “Empathy Belly” and electronic baby. 30 Hour Child Care Basics Certification required by State Licensed Daycares may be an option for students taking this course. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

**Child Development 2 (CTF 255)**
*Grade Level: 9, 10, 11, 12*
*Credit: Health, Occupational/CTE or Elective 0.5*

*Prerequisite: Child Development 1 preferred*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

Child Development covers the development of infants, toddlers and preschoolers
and their health, safety and nutritional needs. This course provides positive guidance techniques for parents and those interested in child-related careers. 30 Hour Child Care Basics Certification required by State Licensed Daycares may be an option for students taking this course. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

**Careers in Education A & B (CTF 303/304)**
*Grade Level: 11, 12*
*Credit: Occupational/CTE or Elective 1.0*
*College Credit may be available; see note at beginning of Career/Technical Education Section*
*Prerequisite: Teacher Permission and/or Child Development 1 preferred*
Students explore learning theories and styles, teaching methods, equity and diversity in education, and classroom management techniques. Throughout this course, students complete observations in local elementary, middle and senior high schools. It is through these observations that students begin to understand the differences in grade levels, development and teaching styles. Careers in Education is a college level course and offers the opportunity to earn college credit and/or waivers at colleges and universities in Washington State. This course includes hands-on experience where students are placed in an elementary or middle school classroom in the second and third trimester to observe and work with a mentor teacher and his/her students. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

**Careers in Education: Practicum C (CTF 505)**
*Grade level: 11,12*
*Credit: Occupational/CTE or Elective 0.5*
*College Credit may be available; see note at beginning of Career/Technical Education Section*
*Prerequisite: Completion of Careers in Education A & B*
The third trimester of Careers in Education is focused on a hands-on practicum where students spend the majority of their class time in an elementary or middle school classroom working with a mentor teacher and his/her students. Students will work with small groups, teach lessons and experience all aspects of the role of an educator. Careers in Education is a college level course and offers the opportunity to earn college credit and/or waivers at colleges and universities in Washington State. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

**Advanced Placement Psychology (CTP 469/470/571)**
This course is a rigorous, college level course and requires higher levels of thinking and workload. This fast paced course is designed to give students a foundation in psychological concepts. Topics include, but are not limited to, an in-depth study of research methodology, biopsychology, developmental psychology, cognitive psychology, disorders, treatments and social/cultural psychology with particular attention to overall measurement tools. Completion of the Advanced Placement Exam is required. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

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**American Sign Language (ASL)**

American Sign Language I is a beginning course in American Sign Language, introducing students to the language and culture of the Deaf. The course will provide insights into Deaf cultural values, Deaf attitudes, historical aspects of the language and the Deaf community. Two years of ASL satisfies the world language requirement for Washington colleges and universities; college credit can be earned while taking this course in high school. Students are encouraged to be involved in the Career Technical Student Organization within their school: ASL Club

American Sign Language II is a continuation of ASL I with greater emphasis on ASL grammar and concentrated effort to develop the student’s expressive and receptive skills. Students will study appropriate language, grammar, cultural behaviors, and social relations. Two years of ASL satisfies the world language requirement for Washington colleges and universities; college credit can be earned while taking the course in high school. Students are encouraged to be involved in the Career Technical Student Organization within their school: ASL Club
Technical Student Organization within their school: ASL Club

**American Sign Language 3A & 3B (CTW 205/206)**
*Grade Level: 10, 11, 12*
*Credit Elective 1.0; World Languages; Occupational/CTE 1.0 - NCAA approved*
*College Credit may be available; see note at beginning of Career/Technical Education Section*
*Prerequisite: Successful completion of Sign Language 2 with at grade of “C” or better.*

American Sign Language III is a more in-depth study of American Sign Language and Deaf culture, in addition to further cultural and grammatical understanding and interpreting skills. Greater attention is given to sign inflection, production and idiomatic conventions through meaningful conversation and context. College credit can be earned while taking the course in high school. Students are encouraged to be involved in the Career Technical Student Organization within their school: ASL Club

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**CTE: Culinary Arts**

**Culinary Essentials 1 (CTF 201)**
*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE or Elective 0.5*
*College Credit may be available; see note at beginning of Career/Technical Education Section*

This course is designed for students interested in Culinary Arts and food preparation skills. Culinary Essentials students will focus on food safety and sanitation, safe knife skills, culinary math and measurements, basic food preparation with fruits, vegetables, grains, proteins, and a focus on eggs and breakfast. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

**Culinary Essentials 2 (CTF 257)**
*Grade level: 9, 10, 11, 12*
*Credit: Occupational/CTE or Elective 0.5*
*College Credit may be available; see note at beginning of Career/Technical Education Section*
*Prerequisite: Successful completion of Culinary Essentials 1*

This course is a continuation of Culinary Essentials 1. Students will focus on cooking and baking fundamentals such as quick breads, yeast breads, and pastries. Students will explore mixing methods, dessert preparation, food presentation and honing knife skills. Students will use mathematics skills to convert recipes and determine food costs. Students are encouraged to be involved in the Career Technical Student
Organization within their school: FCCLA

Culinary Essentials 3 (CTF 265)
Grade level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5, Repeatable
College Credit may be available; see note at beginning of Career/Technical Education Section
Prerequisite: Successful completion of Culinary Essentials 1 & 2
This course is a continuation of culinary essentials 1 & 2. Students will explore in depth restaurant management skills including customer service, dining experience, and culinary math. Students will learn about garde manger, sandwich preparation, desserts and chocolates, and global cuisine. Students are encouraged to be involved in the Career Technical Student Organization within their school: FCCLA

CTE: Culinary Arts at Challenger

Culinary Arts 1 (CTF 217)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
Culinary Arts1 at Challenger High School provides students the opportunity to learn and develop employable skills that can be applied to the restaurant and food industry, as well as transferable skills that can apply to every career field. We use our industrial kitchen and catering license to learn and demonstrate food safety and sanitation practices that meet health department inspection requirements. This course will also cover: how to work in a kitchen safely including how to use our equipment safely, kitchen hand tools and uses, knife skills (that are employable), and basic preparations. This class is designed to be both instructional and interactive, with demonstrations and food labs for the students to engage with.

Culinary Arts 2 (CTF 259)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
Prerequisite: Successful Completion of Culinary Arts 1
Culinary Arts 2 at Challenger High School builds on the opportunities to demonstrate and develop employability skills that can translate/transfer to their resume. These students will demonstrate their knowledge and develop their proficiency at using our industrial equipment. We will explore how various cooking methods alter, develop,
and enhance ingredients. This class will have additional opportunities during our catering events to learn and demonstrate leadership skills that they will find critical and beneficial in the workplace.

**Culinary Arts 3 (CTF 266)**

*Grade Level: 10, 11, 12*

*Credit: Occupational/CTE or Elective 0.5 repeatable*

*College Credit may be available; see note at beginning of Career/Technical Education Section*

*Prerequisite: Successful Completion of Culinary Arts 2*

Culinary Arts 3 at Challenger High School continues the theme of learning, developing, and applying employability skills that are relevant to the food service industry as well as any career the students may pursue with various jobs along the way. We will learn the kitchen model of entry level positions that climb up to management positions, and explore how that looks in various fields that they have interests in. This class builds on the students knowledge of cooking methods and how they impact ingredients to proficiently create the desired culinary outcomes. The students will be given multiple opportunities to demonstrate the ability to work as a team, and show leadership qualities, through group projects, catering events, and food labs.
Bethel School District’s JROTC programs are designed to build leadership, scholarship and citizenship in participating cadets. This is done through a broad social science academic approach and practical, guided leadership experience within each armed forces organization. All JROTC programs may enable students to qualify for scholarships, advanced promotions upon enlistment, and federal military academy acceptance. Students will be involved in physical activities throughout all JROTC programs.

**Air Force JROTC - Bethel**

*Year 1A, 1B & 1C (CTJ 207/208/509)*  
*Year 2A, 2B & 2C (CTJ 209/210/511)*  
*Year 3A, 3B & 3C (CTJ 211/212/513)*  
*Year 4A, 4B & 4C (CTJ 213/214/515)*  

**Grade Level:** 9, 10, 11, 12  
**Credit:** Physical Education, Occupational/CTE, Elective 1.0. Year 3 - CTSS 252 World Studies 1.0  

The Air Force JROTC curriculum emphasizes Air Force history, world geography, international relations, economics, and behavioral aspects of leadership. Military drill, leadership labs, and field trips are included. This class is recommended for students who are interested in Air Force JROTC and hands-on leadership. Students are encouraged to participate in volunteer activities such as unarmed drill and color guard, physical fitness, marksmanship and orienteering teams. Students are required to wear their no fee JROTC uniform one full day each week.

**Air Force JROTC Private Pilot Basic Ground School (CTJ 233/234/535)**  
**Grade Level:** 11, 12  
**Credit:** Elective, Occupational/CTE 1.0  

College Credit may be available; see note at beginning of Career/Technical Education Section  

**Prerequisite:** AFJROTC 1  

Pilot ground school is a Dual Credit course offered in conjunction with Clover Park Technical college. Course includes a study of basic aerodynamics for flight physiology, aircraft systems, aviation weather flight planning and aviation operations.
Army JROTC - Graham-Kapowsin

Year 1A, 1B & 1C (CTJ 215/219/517)
Year 2A, 2B, & 2C (CTJ 216/220/519)
Year 3A, 3B, & 3C (CTJ 217/222/521)
Year 4A, 4B, & 4C (CTJ 218/222/523)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, or Elective 1.0

The Army JROTC curriculum emphasizes Army history, world geography, international relations, economics, and behavioral aspects of leadership. Military drill, leadership labs, and field trips are included. This class is recommended for students who are interested in Army JROTC and hands-on leadership. Students may be asked to participate in volunteer activities such as unarmed drill and color guard. Students will be required to wear their JROTC uniform once a week in accordance with Cadet Command Regulation 145-2 and Cadet Reference.

Navy JROTC - Spanaway Lake

Year 1A, 1B & 1C (CTJ 225/226/527)
Year 2A, 2B & 2C (CTJ 227/228/529)
Year 3A, 3B & 3C (CTJ 219/230/531)
Year 4A, 4B & 4C (CTJ 231/232/533)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, or Elective 1.0 - Year 3 - CTSS 252 World Studies 1.0

The Navy JROTC curriculum emphasizes citizenship, leadership, and volunteer service. It also includes Navy history, world geography, international relations, economics, and behavioral aspects of leadership. Military drill, leadership labs, and field trips are included. This class is recommended for students who are interested in Navy JROTC and hands-on leadership. Students are encouraged to participate in volunteer unit activities such as armed and unarmed drill, color guard, physical fitness, marksmanship, and orienteering teams. Students are required to wear their no fee JROTC uniform one full day each week. Navy JROTC cadets have opportunities to attend leadership academies and seminars conducted during the summer break.

JROTC Drill and Performance (CTJ 223/224/525)
Grade Level: 9, 10, 11, 12
Credit: Physical Education .5, Elective .5, Occupational/CTE .5, Fine Arts .5 maximum,
Students enrolled in JROTC may also take this Zero hour, drill & ceremonies course. Students learn advanced drill & ceremonies and creatively develop exhibition drill maneuvers in preparation for several performances throughout the year. Performances include but are not limited to the Veterans’ Day Assembly, 4-5 Northwest Drill & Rifle League (NWD & RL) competitions, travel and performance at regional and national competitions as well as parades throughout the Puget Sound Area. Students compete and are judged at all NWD & RL competitions.
2022-23 Course Offerings

CTE: Information Technology

Business Technology  |  Computer Sciences

CTE: Business Technology

Digital Communication Tools (Digitools) (CTB 101)
Grade Level: 9, 10
Credit: Occupational/CTE or Elective 0.5
This course prepares students for digital workplace communications using standard and customized software products. Students will learn about workplace technology using Microsoft Word, Excel and PowerPoint. Students will create documents using the Microsoft Office Suite. Students will also learn some programming basics through animation and gaming. This course is typically taken during the 9th grade year. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.

Graphic Design (CTA 253/254)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Occupational/CTE or Fine Arts or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
Students explore two-dimensional design through the development of typography, logos, trademarks and advertising art. The artistic process is implemented while students create “camera-ready” art. Techniques may include block printing, silk screening, use of the computer as a graphic design tool, digital image manipulation and computer animation. This course includes a study of the elements and principles of art. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.

Microsoft Applications 1-A & 1-B (CTB 218/219)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5 / College Credit may be available see note at beginning of Career/Technical Education Section - Microsoft Certification Available
Prerequisite: Successful Completion of Digitools
This self-paced course series will guide students through real-life projects using Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access. Throughout this course, students will be eligible to earn industry certification through Microsoft. Microsoft Certifications include both Core and Expert level certification. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.
Microsoft Applications 2-A & 2-B (CTB 255/256)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5 / College Credit may be available see note at beginning of Career/Technical Education Section - Microsoft Certification Available
Prerequisite: Successful Completion of Microsoft Applications 1-A & 1-B
This self-paced course series will guide students through real-life projects using Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access. Throughout this course, students will be eligible to earn industry certification through Microsoft. Microsoft Certifications include both Core and Expert level certification. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.

Yearbook Technology A & B (CTT 351/352)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 1.0
Prerequisite: Successful Completion of Digitools and Instructor Permission
This course is designed to teach students the essentials of advanced desktop publishing and graphic design. This is a project-based class in which students will create school wide flyers, posters and produce the yearbook using various publishing software. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.

Web Design 1 (CTT 151/152)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education Section
Prerequisite: Successful completion of Digitools
Students learn to write and diagnose basic HTML by hand to create functional, yet attractive web pages that are designed and structured according to proper design and layout. Students also learn some basic PhotoShop to edit photos for their web pages. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.

Web Design 2 (CTT 263/264)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
College Credit may be available; see note at beginning of Career/Technical Education
CTE: Information Technology

Prerequisite: Successful completion of Web Design 1
This course prepares individuals to apply HTML, XML, JavaScript, graphics applications, and other authoring tools to the design, editing and publishing (launching) of documents, images, graphics, sound and multimedia products on the Internet. Includes instruction in Internet theory; web page standards and policies; elements of web page design; user interfaces; vector tools; special effects; interactive and multimedia components; search engines; navigation; morphing; ecommerce tools; and emerging web technologies. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA or DECA.

CTE: Computer Science

Advanced Placement Computer Science Principles A, B & C (CTT 401/402/507)
Grade Level: 10, 11, 12
Credit: Occupational/CTE, Elective or 3rd Year Math Credit 1.5
Prerequisite: Successful completion of Algebra 1
AP Computer Science Principles (CSP) curriculum is a full year, rigorous, entry level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, bit data digital privacy and security and the societal impacts of computing. Completion of the Advanced Placement Exam is required. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA, DECA or eSports

Computer Programming 1 (CTT 251)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective .5
Prerequisite: Successful completion of Algebra 1 or AP Computer Science Principles
Introduction to Programming A is a one trimester course that focuses on fundamental computer science concepts while students learn to program using Python. This project based course will allow students to use a variety of tools and platforms. Assignments and instruction are application-based and include socially relevant, real-world, current topics. Students will learn a text-based coding language, Python, with the focus of this course teaching introductory coding concepts such as user inputs and outputs, if/else statements and while loops. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA, DECA or eSports.

Computer Programming 2 (CTT 252)
Grade Level: 10, 11, 12
2022-23 Course Offerings

CTE: Information Technology

**Credit:** Occupational/CTE or Elective .5

**Prerequisite:** Successful completion of Computer Programming 1.

Introduction to Programming B continues where Introduction to Programming A left off. In this project based course students will continue to improve their programming skills using the programming language Python. Students will learn advanced programming skills that include creating colored graphics, using functions, and creating algorithms. Students will produce a final project that incorporates topics such as human computer interaction, problem solving, and basic game design. Students are encouraged to be involved in the Career Technical Student Organization within their school: FBLA, DECA or eSports.

**Cybersecurity A & B (CTT301/302)**

**Grade Level:** 10, 11, 12

**Credit:** Occupational/CTE or Elective 1.0

**Prerequisite:** Successful completion of Algebra

Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, “outside-the-box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security. The course contains the following units of study: Personal Security, System Security, Network Security, and Applied Cybersecurity. Students are encouraged to be involved in the Career Technical Student Organization within their school: eSports, FBLA, DECA or eSports clubs.

**Advanced Placement Computer Science A, B & C (CTT 403/404/505)**

**Grade Level:** 10, 11, 12

**Credit:** Algebra Based Lab Science, Occupational/CTE or Elective 1.5  

**NCAA approved**

**Prerequisite:** Successful Completion of Computer Science A with a “C” or better or Successful completion of Introduction to Computer Programming 1 or teacher permission.

Students will learn Java programming. The course emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. Completion of the Advanced Placement Exam is required. Students are encouraged to
2022-23 Course Offerings
CTE: Information Technology

join their school's Career Technical Student Organization in eSports, FBLA or DECA.
2022-23 Course Offerings
CTE: Junior Reserve Officer Training Corps

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

Equivalency Credits: Many CTE courses may apply to other academic areas.

College Credit: Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

**Air Force JROTC | Army JROTC | Navy JROTC | Drill and Performance**

Bethel School District’s JROTC programs are designed to build leadership, scholarship and citizenship in participating cadets. This is done through a broad social science academic approach and practical, guided leadership experience within each armed forces organization. All JROTC programs may enable students to qualify for scholarships, advanced promotions upon enlistment, and federal military academy acceptance. Students will be involved in physical activities throughout all JROTC programs.

**Air Force JROTC - Bethel**

Year 1A, 1B & 1C (CTJ 207/208/509)
Year 2A, 2B & 2C (CTJ 209/210/511)
Year 3A, 3B & 3C (CTJ 211/212/513)
Year 4A, 4B & 4C (CTJ 213/214/515)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, Elective 1.0. Year 3 - CTSS 252 World Studies 1.0

The Air Force JROTC curriculum emphasizes Air Force history, world geography, international relations, economics, and behavioral aspects of leadership. Military drill, leadership labs, and field trips are included. This class is recommended for students who are interested in Air Force JROTC and hands-on leadership. Students are encouraged to participate in volunteer activities such as unarmed drill and color guard, physical fitness, marksmanship and orienteering teams. Students are required to wear their no fee JROTC uniform one full day each week.

**Air Force JROTC Private Pilot Basic Ground School (CTJ 233/234/535)**
Grade Level: 11, 12
*Credit: Elective, Occupational/CTE .1.0*

College Credit may be available; see note at beginning of Career/Technical Education Section

**Prerequisite: AFJROTC 1**

Pilot ground school is a Dual Credit course offered in conjunction with Clover Park Technical college. Course includes a study of basic aerodynamics for flight physiology, aircraft systems, aviation weather flight planning and aviation operations.

**Army JROTC - Graham-Kapowsin**

Year 1A, 1B & 1C (CTJ 215/219/517)
Year 2A, 2B, & 2C (CTJ 216/220/519)
Year 3A, 3B, & 3C (CTJ 217/222/521)
Year 4A, 4B, & 4C (CTJ 218/222/523)

**Grade Level: 9, 10, 11, 12**

*Credit: Physical Education, Occupational/CTE, or Elective 1.0*

The Army JROTC curriculum emphasizes Army history, world geography, international relations, economics, and behavioral aspects of leadership. Military drill, leadership labs, and field trips are included. This class is recommended for students who are interested in Army JROTC and hands-on leadership. Students may be asked to participate in volunteer activities such as unarmed drill and color guard. Students will be required to wear their JROTC uniform once a week in accordance with Cadet Command Regulation 145-2 and Cadet Reference.

**Navy JROTC - Spanaway Lake**

Year 1A, 1B & 1C (CTJ 225/226/527)
Year 2A, 2B & 2C (CTJ 227/228/529)
Year 3A, 3B & 3C (CTJ 219/230/531)
Year 4A, 4B & 4C (CTJ 231/232/533)

**Grade Level: 9, 10, 11, 12**

*Credit: Physical Education, Occupational/CTE, or Elective 1.0 - Year 3 - CTSS 252 World Studies 1.0*

The Navy JROTC curriculum emphasizes citizenship, leadership, and volunteer service. It also includes Navy history, world geography, international relations, economics, and behavioral aspects of leadership. Military drill, leadership labs, and field trips are included. This class is recommended for students who are interested in Navy JROTC and hands-on leadership. Students are encouraged to participate in volunteer unit activities such as armed and unarmed drill, color guard, physical fitness,
JROTC Drill and Performance - All High Schools

JROTC Drill and Performance (CTJ 223/224/525)

*Grade Level: 9, 10, 11, 12*

*Credit: Physical Education .5, Elective .5, Occupational/CTE .5, Fine Arts .5 maximum, repeatable*

Students enrolled in JROTC may also take this Zero hour, drill & ceremonies course. Students learn advanced drill & ceremonies and creatively develop exhibition drill maneuvers in preparation for several performances throughout the year. Performances include but are not limited to the Veterans’ Day Assembly, 4-5 Northwest Drill & Rifle League (NWD & RL) competitions, travel and performance at regional and national competitions as well as parades throughout the Puget Sound Area. Students compete and are judged at all NWD & RL competitions.
2022-23 Course Offerings
CTE: Science and Natural Resources

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

Equivalency Credits: Many CTE courses may apply to other academic areas.

College Credit: Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

Animal Science | Fish & Wildlife Conservation | Greenhouse Management | Environmental Sciences

CTE: Animal Science

Animal Science (CTN 201)
Grade Level: 10, 11, 12
Credit: Occupational/CTE, Lab Science or Elective .5
Students will be introduced to the animal science and livestock production industry. The animals we will focus on include: aquaculture, poultry, sheep and goats, swine, dairy and beef cattle, horses, and companion animals. Topics we will explore will be: current career opportunities, history and use of animals, animal handling and safety, animal cells and tissues, animal nutrition, animal reproduction, animal genetics, overall animal health, animal products and marketing, and 21st century skills. We will work with local colleges and provide topics that prepare students for their veterinary technician program. Student leadership development will be included in a portion of the curriculum provided through the Bethel FFA chapter. All students enrolled in this program are encouraged to be an active FFA member through activities and events held by our chapter.

CTE: Conservation/Wildlife
Fish & Wildlife Conservation (CTN 101)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Science or Elective .5
Students will be introduced to a variety of environmental and conservation concepts. Management and the understanding of natural resources will provide learning experiences, which encourage students to further pursue vocational, scientific and resource management studies. Topics will focus on marine life from fresh and saltwater habitats. We will focus on local rivers, lakes, streams, and the Puget Sound in this course. Learning about habitats, ecosystems, positive and negative impacts on fish and wildlife, water rights, and much more. These are presented with an emphasis on critical thinking, decision-making based on scientific data, and making responsible, ethical choices. Careers are also explored. Student leadership development will be included in a portion of the curriculum provided through the Bethel FFA chapter. All students enrolled in this program are encouraged to be an active FFA member through activities and events held by our chapter.

Forestry & Wildlife Conservation (CTN 102)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Science or Elective .5
College Credit may be available; see note at beginning of Career/Technical Education Section
Students will continue to explore a variety of environmental and conservation concepts. Management and the understanding of our natural resources will provide learning experiences, which encourage students to further pursue vocational, scientific and resource management studies. Topics include: wildlife, ecology, habitat, ethics and fisheries. These are presented with an emphasis on critical thinking, decision-making based on scientific data and making responsible, ethical choices. Careers and Pre-Advanced Placement (post-secondary education) topics are also explored. Local and statewide projects are undertaken, working with the Department of Fish & Wildlife. Bethel High School is in partnership with the High Schools for Habitat program sponsored by the Rocky Mountain Elk Foundation, Missoula, Montana.

**CTE: Greenhouse Management**

Greenhouse Management and Hydroponics 1 (CTN 105)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Science or Elective 0.5
This class will engage students through standard greenhouse planting techniques and explore the latest techniques used today in hydroponic growing systems. Soilless growing techniques utilize Hydroponic, Aeroponic, Ebb and Flow systems and state of the art lighting equipment. Systems management, monitoring and analysis are used to create a high yield supercharged garden, which is the future of food production. Sales, marketing and record keeping help prepare students for skills required in the world of work.

**Greenhouse Management and Hydroponics 2 (CTN 106)**  
*Grade Level: 9, 10, 11, 12*  
*Cred: Occupational/CTE, Science or Elective 0.5*  
This class is the second in a series of greenhouse courses. Students will engage in standard greenhouse planting techniques and explore the latest techniques used today in hydroponic growing systems. Soilless growing techniques utilize Hydroponic, Aeroponic, Ebb and Flow systems and state of the art lighting equipment. Systems management, monitoring and analysis are used to create a high yield supercharged garden, which is the future of food production. Sales, marketing and record keeping help prepare students for skills required in the world of work.

**CTE: Environmental Sciences**

**Environmental Science A & B (CTN 107/108)**  
*Grade Level: 9, 10, 11, 12*  
*Cred: Lab Science or Elective 1.0*  
*NCAA approved*  
*Prerequisite: None*  
Students enrolled in this course will conduct in depth scientific studies of ecosystems, population dynamics, resource management, water and air resources, pollution and the environmental consequences of natural and anthropogenic processes. Topics covered in this course include: ecosystem structure and function, earth’s biomes, the role and impact of human activities on natural systems, overpopulation, resource depletion, toxic substances and pollution of air, water and land. Students will formulate, design and carry out laboratory and field investigations. Students will exit the course with essential tools for understanding the complexities of national and global environmental systems. Hands-on activities and laboratory experiments are included.

**Advanced Placement Environmental Science A, B, & C (CTN 401/402/503)**  
*Grade Level: 11, 12*  
*Cred: Occupational, Science, or Elective 1.5*  
*NCAA approved*  
*Prerequisite: Successful completion of Biology with a grade of a “C” or better or teacher recommendation*
The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students are expected to take the AP Exam at the completion of the course.
2022-23 Course Offerings
CTE: Science, Technology, Engineering and Math (STEM)

Career and Technical Education (CTE)
All courses listed under Career and Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education.

**Equivalency Credits:** Many CTE courses may apply to other academic areas.

**College Credit:** Many CTE courses offer free college credits known as Dual Credit for students who qualify. Students interested in this credit must meet the requirements and complete the enrollment process for each course. Please check with your teacher, counselor, or the career center clerk to inquire about courses that offer this credit and the requirements.

- Introductory Engineering
- Engineering Pathways
- Drones Courses
- Power Sports / Small Engines

**CTE: Introductory Engineering**

Design & Modeling (CTM 211)
*Grade Level: 9, 10, 11, 12, or instructor’s approval*
*Credit: Occupational/CTE or Elective .5*

This stand-alone trimester class is intended to introduce students to the concepts of design and modeling. Through the use of industry standard software, students will be able to unleash the power of CAD (Computer Aided Design) by creating and modeling unique creations of their own. Students will learn the tools needed to model designs that can then be created by 3D printing, laser engraving, and vinyl sign cutters. Note: For students interested in pursuing Engineering as a career pathway, please refer to the two-trimester course, Introduction to Engineering Design, as the Design & Modeling course is not a prerequisite for the Engineering Pathway. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

**CTE: Engineering Pathways**

Engineering Essentials A & B (CTM 101/102)
*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE, Fine Arts, or Elective 1.0*
2022-23 Course Offerings
CTE: Science, Technology, Engineering and Math (STEM)

In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

Intro to Engineering Design A & B (CTM 260/261)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Fine Arts, or Elective 1.0
Prerequisite: Successful completion of Algebra is recommended
This is the first class of a 3 year sequence. As PLTW and many college engineering and design programs require, IED is designed primarily as an introductory program to STEM careers at all levels. The major focus of IED is the design process and its application to the real world. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions, solve problems, document their work in an engineer’s notebook, and communicate solutions to peers and members of the professional community. In addition, students will use state of the art machines and tools (CNC mills, 3D printers, vinyl sign cutters) in the prototyping lab to design and model their creations. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

Principles of Engineering/Robotics A & B (CTM 263/264)
Grade Level: 10, 11, 12, or instructor’s approval
Credit: Occupational/CTE, Lab based science or Elective 1.0
Prerequisite: Intro to Engineering Design or teacher permission. NCAA approval has been requested.
This is the second class of a 3 year engineering sequence. This survey course exposes students to major concepts they’ll encounter in a post-secondary
2022-23 Course Offerings

CTE: Science, Technology, Engineering and Math (STEM)

Engineering course of study. Students will study mechanisms, energy, statics, materials, kinematics, programming, and utilize robotics as the medium to apply skills learned. Students will be challenged to problem-solve, research, and design to create solutions to various challenges, document their work, and communicate solutions. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

**Aerospace Engineering A & B (CTM 217/218) - Spanaway Lake**
*Grade Level: 11, 12, or instructor’s approval*
*Credit: Occupational/CTE or Elective 1.0 NCAA approved*
*Prerequisite: Successful Completion of Algebra 1. Intro to Engineering Design is recommended.*

This is the third class in a 3 year sequence at SLHS. Aerospace Engineering (AE) is one of PLTW’s specialized courses. AE explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals. This course is designed for 10th, 11th or 12th grade students. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

**Computer Integrated Manufacturing A & B (CTT 209/210) - Bethel**
*Grade Level: 11, 12, or instructor’s approval*
*Credit: Occupational/CTE or Elective 1.0*
*Prerequisite: Successful Completion of Algebra 1 or Intensified Algebra and successful Completion of Intro to Engineering Design and Principles of Engineering/Robotics are highly recommended.*

This is the third class of a 3 year sequence at BHS. Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics
Environmental Sustainability A & B (CTM 267/268) - Graham-Kapowsin

*Grade Level: 11, 12, or instructor’s approval*

*Credit: Occupational/CTE or Elective 1.0*

*Prerequisite: Successful completion of Principles of Engineering (POE)*

This is the third class in a 3 year engineering sequence at GKHS. Environmental Sustainability (ES) is one of PLTW’s specialized engineering courses. In ES, students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity-, project-, and problem-based (APB) teaching and learning pedagogy, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students problem solve as they practice common design and scientific protocols such as project management, lab techniques, and peer review. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

**CTE: Drone Courses**

Drone Piloting (UAS) (CTM 317)

*Grade Level: 11, 12, or instructor’s approval*

*Credit: Occupational/CTE or Elective .5 1.0*

*Prerequisite: Students should be 16 or turning 16 during the trimester*

The use of drones in industry is emerging daily. New uses and FAA approval is frequently in our news. This course will provide students experiences in engineering and design concepts of unmanned aircraft systems or more commonly known as drones (Drones). Students will learn the technology, legal and safety aspects as well as experience hands-on construction configuration and training in flight of unmanned aircraft. Students will gain knowledge of careers in this field. Students work towards taking the FAA Part 107 license upon completion. Students must be 16 to earn the FAA Part 107 license. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics
2022-23 Course Offerings
CTE: Science, Technology, Engineering and Math (STEM)

Drone Design & Engineering (CTM 229)
Grade Level: 11, 12, or instructor’s approval
Credit: Occupational/CTE or Elective .5
Prerequisite: Successful Completion of Algebra 1 or Drone Piloting

The use of drones in industry is emerging daily. New uses and FAA approval is frequently in our news. This course will provide students with experiences working in the emerging field of Unmanned Aircraft Aerial Systems (UAS) more commonly known as aka drones. Students will explore the engineering concepts presently utilized in this expanding field and will develop knowledge and understanding of basics of UAS design, Computer Aided Design (CAD), Computer Aided Manufacturing (CAM), Additive Manufacturing (AM), basic control system design and implementation, circuit assembly, and aircraft flight testing. Students are encouraged to be involved in the Career Technical Student Organization within their school: First Robotics

CTE: Small Engines

Power Sports Equipment 1A & 1B (CTM 205/206)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section

This is the first in a series of courses that prepares students for employment in the powersports vehicle and power equipment industry. Students will work toward servicing motorcycles and ATV’s; large or small outboard engines, personal watercraft, and marine engines and power equipment/vehicles from yard tractors to lawn mowers and chainsaws.

Power Sports Equipment 2A & 2B (CTM 257/262)
Grade Level: 10, 11, 12
Credit: Occupational /CTE or Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section

Prerequisite: Successful completion of Power Sports Equipment 1A & 1B

Students continue developing the skills necessary for employment in the powersports vehicle and power equipment industry. Advanced projects are assigned that allow students to acquire planning, quality control, design and leadership skills, and
2022-23 Course Offerings
CTE: Science, Technology, Engineering and Math (STEM)

leadership skills.

**Power Sports Equipment 3A & 3B (CTM 265/266)**
*Grade Level: 11, 12*
*Credit: Occupational/CTE or Elective 1.0 –*
*College Credit may be available; see note at beginning of Career/Technical Education Section*
*Prerequisite: Successful completion of Power Sports Equipment 2A & 2B*

In Power Sports 3, students will continue to develop the Stihl equipment repair and parts catalog knowledge. Emphasis will be on reading precision measuring tools for accurate measurement of parts and factory recommended tolerances for precise diagnostics.

**Construction Technology (CTM 105)**
*Grade Level:*
*Credit: Occupational/CTE or Elective 0.5 –*

The Construction Trades program is designed to teach entry-level construction skills and knowledge. This course covers both residential and commercial construction with an emphasis on job site safety. The course goals is to introduce students to the construction trades. Students are encouraged to be involved in the Career Technical Student Organization within their school: SkillsUSA.
Work Based Learning (WBL) (CTW 207/208)

**Grade Level:** 11, 12 repeatable

**Credit:** Occupational/CTE, Careers or Elective 0.5 for 180 work hours

**Prerequisite:** Students must have completed/passed or be currently enrolled in a CTE qualifying class. Please see the Work-Based Learning Coordinator to verify completion of a qualifying class. Approval of Work-Based Learning Coordinator is required. Students must be employed and be 16 years old when they register for a work-based learning experience. A learning plan, agreement, application and documentation of new employee orientation are required. No work hours can be counted until all paperwork is completed. Assignments will assist students in developing those skills identified by business and industry as being important to employment. Some of the assignment topics include employability skills, business ethics, personal relations on the job and legal issues facing workers. Students must also be enrolled in or have taken a qualifying course (a concurrent or previously completed course that is related to the work experience.) Students must provide their own transportation to work and employers must adhere to state and federal laws. Students can earn .25 credits for 90 hours of paid work and 0.5 credit 180 hours of paid work. Students can earn up to 1.5 credits in a year.

WBL Computer Technician (CTW 213/214)

**Grade Level:** 11, 12 repeatable

**Credit:** Occupational/CTE or Elective 0.5

**Prerequisite:** Approval of Work-Based Learning Coordinator is required.

Students enrolled in the work-based learning technology support class will provide building technology support to teachers, students, and other building staff during their assigned class period. Assignments will assist students in developing those technology skills required to support customers. Students will work with and take direction from the building technology support team including the technology Teachers on Special Assignment (TOSAs), building technicians, building librarian, and building administrative staff.
All students must complete 4.0 credits to graduate from high school.

### Courses that Satisfy the English Language Arts Requirement

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<th>AP &amp; Honors Sequence</th>
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<td>Pre-AP English Language Arts 10 or English Language Arts 10</td>
<td>Pre-AP English Language Arts 10</td>
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<td>English Language Arts 11 or</td>
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### English Language Arts Electives

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Standard English Language Arts courses are NCAA Approved.
Exceptions are ELA Reading Labs, Freshman Seminar, Journalistic Writing, Leadership, Creative Writing, Bridge to College English and Yearbook

Each year students must take a full credit of English Language Arts from the course offerings found in the English Language Arts section.

Pre-AP English Language Arts 9 (ENG 141/142)

*Grade Level:* 9

*Credit:* English Language Arts 1.0  NCAA approved

This year-long course focuses on integrating reading, writing, speaking and listening, and use of language. Students will examine a variety of literary and informational texts and authors, and reading instruction will allow students to cite textual evidence and determine main ideas and themes. Students will expand writing skills through practice on informative, explanatory, and argumentative texts, and will develop skills in organization and style. Students will also participate in a range of collaborative discussions, building on others’ ideas and clearly expressing their own. Students work toward meeting standards on the Washington State 9 - 10 ELA Learning Standards. Completion of this course is required for graduation.

Pre-AP English Language Arts 10 (ENG 241/242)

*Grade Level:* 10

*Credit:* English Language Arts 1.0  NCAA approved

This year-long course emphasizes further development of reading, writing, speaking and listening, and use of language. Students will examine a variety of significant literary and informational texts and authors, and reading instruction will allow students to comprehend and analyze more complex texts independently and proficiently. Students will strengthen their ability to write clear claims, use valid reasoning and sufficient evidence in their writing, as well as write explanatory texts to examine complex ideas and concepts. Both collaboratively and individually, students will apply knowledge of language to understand how language functions in different contexts and to make effective choices for meaning and style. Students work toward meeting standards on Washington State 9 - 10 ELA Learning Standards. Completion of this course is required for graduation.

English Language Arts 10 (ENG 201/202)

*Grade Level:* 10
This year-long course emphasizes further development of reading, writing, speaking and listening, and use of language. Students will examine a variety of significant literary and informational texts and authors, and reading instruction will allow students to comprehend and analyze more complex texts independently and proficiently. Students will strengthen their ability to write clear claims, use valid reasoning and sufficient evidence in their writing, as well as write explanatory texts to examine complex ideas and concepts. Both collaboratively and individually, students will apply knowledge of language to understand how language functions in different contexts and to make effective choices for meaning and style. Students work toward meeting standards on Washington State 9 - 10 ELA Learning Standards. Completion of this course is required for graduation.

English Language Arts 11 (ENG 301/302)
Grade Level: 11
Credit: English Language Arts 1.0 NCAA approved
This year-long course emphasizes sophisticated development of reading, writing, speaking and listening, and use of language. Students will read literary and informational texts of increasing complexity with greater independence, with deliberate examination of seventeenth, eighteenth and nineteenth century foundational documents of historical and literary significance. With increasing independence, students will develop confidence in expressing their own arguments and sharing research. Students will write synthesized arguments, using multiple sources to write more sophisticated claims, use more complex logical structures, and varied evidence. They will conduct short and sustained research, developing a capacity to evaluate sources and analyze more substantive topics. Students work toward meeting standards on Washington State 11 - 12 ELA Learning Standard.

Advanced Placement English Language and Composition (ENG 462/463/564)
Grade Level: 11 or 12
Credit: English Language Arts 1.5 NCAA approved
Prerequisite: Successful completion of Pre-AP ELA 10, ELA 10, Honors ELA 10, or instructor approval
This year-long, college level course requires a commitment to rigorous thinking and a vigorous work load. A course focused on the study of rhetoric, students will become skilled readers of print and non-print texts produced in a variety of time periods, disciplines, and rhetorical contexts. Students will focus on the interaction between a writer’s purpose, audience expectations, and subject matter, and analyze how text structure supports meaning. Students will write sophisticated rhetorical analysis, complex inductive and deductive arguments, and evaluate and synthesize various sources for research writing. Completion of the Advanced Placement Exam is
English Language Arts 12  (ENG 401/402)
*Grade Level: 12*
*Credit:* English Language Arts 1.0  NCAA approved
This year-long course emphasizes career and college readiness in reading, writing, speaking and listening, and use of language. Students will read works of exceptional craft and thought that serve as models for students’ own thinking and writing with greater independence and flexibility. They will demonstrate their ability to examine seventeenth, eighteenth and nineteenth century foundational documents of historical and literary significance, including how two or more texts from the same period treat similar themes or topics. Students will contribute meaningfully to a variety of collaborative structures, developing adaptability in various situations. Students will write routinely over short and extended time frames for a range of increasingly complex writing tasks, purposes, and audiences, and will be required to gather relevant evidence from multiple authoritative sources. An extended research paper is required. Students work toward meeting standards on Washington State 10 - 11 ELA Learning Standard.

Advanced Placement English Literature and Composition (ENG 460/461/562)
*Grade Level: 11 or 12*
*Credit:* English Language Arts 1.5  NCAA approved
*Prerequisite:* Successful completion of Pre-AP ELA 10, ELA 10, Honors ELA 10, or instructor approval
This year-long, college level course requires a commitment to rigorous thinking and a vigorous work load. A course focused on the study of poetry and prose, students will engage in the careful reading and analysis of imaginative literature from a variety of time periods and genres. Students consider a work’s structure, style, and universal themes as well as elements such as the use of figurative language, imagery, symbolism, and tone, and will analyze how these elements work together to create meaning and significance. Completion of the Advanced Placement Exam is required.

Bridge to College English  (ENB 401/402)
*Grade Level: 12*
*Credit:* English Language Arts 1.0
This course is designed for seniors who score a 2 on the Smarter Balanced 11th grade assessment in ELA. This course will develop students’ college and career readiness by building skills in critical reading, academic writing, speaking and listening, research and inquiry, and language use. Students will read complex nonfiction and fiction texts focusing on issues of both current and enduring importance. Students will learn to evaluate the credibility of information, critique
others’ opinions, and construct their own opinions based on evidence. Beginning in fall 2016 students who have passed the course (with a B or higher) will be considered college-ready by the majority of colleges in Washington and permitted to enroll in college-level English courses without additional placement testing.

**Journalism (ENG 203)**  
*Grade Level: 9, 10, 11, 12 repeatable*  
*CREDIT: Elective 0.5  NCAA approved*  
Newspaper and magazine writing as well as broadcasting journalism are included. Students study the process of collecting, writing, editing and publishing news and information. This class is recommended for students interested in working on the school newspaper, yearbook, or video productions.

**Speech/Debate (ENG 253)**  
*Grade Level: 9, 10, 11, 12 repeatable*  
*CREDIT: Elective 0.5  NCAA approved*  
Students will prepare and present a variety of speeches for various purposes including informative and persuasive styles. Contest speech opportunities will be available. Debate activities will include research and preparation on both sides of current issues.

**Creative Writing (ENG 409)**  
*Grade Level: 10, 11, 12 repeatable*  
*CREDIT: Elective 0.5*  
Creative Writing is designed for students who wish to experiment in self-expression through writing while creating original forms of descriptive writing, poetry, creative nonfiction and fiction. Writing emphasis is placed on pre-writing techniques, vocabulary development, establishing a strong and unique voice, advancing awareness and manipulation of technical elements, and revision. Students will critique and refine writing through guided discussions, collaborative revisions, and individual reflections. Students will read closely for multiple purposes: to engage multiple styles of text, to analyze and evaluate exemplary texts, to develop creative writing skills.

**Non-Departmental Electives**

**Freshman Seminar (GEN 105/106)**  
*Grade Level: 9  Credit: Elective .5*
This is a one trimester course to introduce high school skills, academic and social, to incoming freshmen. Our goal is to develop students who are academically and emotionally supported to navigate a comprehensive high school setting. Through this course students and teachers will explore the value of individual identity and the connection between the individual and the community. Through a social justice lens students will develop their literacy skills, engage in meaningful inquiry, and strengthen their advocacy skills and ability to communicate effectively.

**Journalistic Writing (GEN 201/202)**

*Grade Level: 9, 10, 11, 12 Credit: Elective 1.0 (repeatable) Prerequisite: Application, interview and/or advisor recommendation.*

Students in this course are responsible for the production of the school newspaper. Staff members are selected by an application and interview process. Students gain experience in writing, editing, design, layout and photography. Meeting deadlines and a willingness to work outside of the regular school day are required. In addition, students will participate in selling advertising and designing ads for local businesses. Students will develop leadership and cooperative skills as they work in this production class. Students have the opportunity to compete at the state and national levels while working on a student produced newspaper. Students may be required to work after school to meet deadlines.

**Leadership (GEN 203/204)**

*Grade Level: 9, 10, 11, 12 repeatable Credit: Elective 0.5 Prerequisite: Teacher approval*

This class provides school service through participation in activities. Learning includes group dynamics, decision-making, getting organized, developing a positive self-image, improving communication, conducting effective meetings and producing creative visuals. This class is designed for ASB officers, club officers, natural helpers, cheerleaders and others interested in school leadership roles. Students are required to attend activities outside of class time.

**English Language Arts/Reading Lab (ENG 117/118)**

*Grade Level: 9, 10, 11, 12 repeatable Credit: Elective 0.5*

Students will gain reading skills necessary to meet the reading requirements of high school courses. Students will focus on specific reading skills such as fluency, vocabulary, critical thinking and comprehension.

**English Language Arts/Writing Lab (ENG 119/120)**

*Grade Level: 9, 10, 11, 12 repeatable*
Credit: Elective 0.5
Students will gain writing skills necessary to meet the writing requirements of high school courses. Students will focus on Six + 1 Traits of writing, writing in a variety of genres and writing for a variety of purposes.

Yearbook Technology  (CTT 351/352)
Grade Level: 9, 10, 11, 12      Credit: Occupational or Elective 1.0
Prerequisite: Application, interview and/or advisor recommendation.
This Elective course is offered through the Career and Technical Education Department. See CTE section for details.

Humanities: Ancient   (ENG 305)
Grade Level: 10, 11, 12
Credit: Social Studies Elective  .05        NCAA approved
Prerequisite: Willingness to read extensively, research exhaustively, discuss insightfully and present findings enthusiastically.
From Cave Paintings to Cathedrals: students study the meaning of human life through prehistoric, Sumerian, Egyptian, Greek, Roman and Christian Middle Ages cultures. In each course students will read research, discuss and make presentations while studying anthropology, archeology, sociology, psychology, philosophy, theology, mythology, art, music, literature, science and math.

Humanities: Modern   (ENG 307)
Grade Level: 9, 10, 11, 12
Credit: Social Studies Elective 0.5        NCAA approved
Prerequisite: Willingness to read extensively, research exhaustively, discuss insightfully and present findings enthusiastically.
From Renaissance to Artificial Intelligence: students study cultural revolutions spurred by science through the Renaissance and Enlightenment into the 21st Century. In each course students will read research, discuss and make presentations while studying anthropology, archeology, sociology, psychology, philosophy, theology, mythology, art, music, literature, science and math.
General Electives

**College Test Prep (GEN 301)**

*Grade Level: 10, 11, 12*

*Credit: Elective .5*

This one trimester course helps students prepare to take the tests required for four year college admission (ACT and SAT), or course placement tests such as the Accuplacer/Compass used by two year colleges. Students will learn test taking strategies, review English, math, and science content, take practice tests, and discover ways to reduce test anxiety.

**Senior Survival (CTE 401 or GEN 401)**

*Grade Level: 12*

*Credit: Occupational/CTE or Elective 0.5*

In this one trimester course, students will learn life skills that will help them navigate the adult world after graduation. Instruction will cover understanding phone plans, paychecks, banking, interest rates, investing, taxes, loans, credit cards, job applications, budgets, car leasing/purchasing, rental agreements, bills, health insurance, and overall finances. Learning experiences related to getting and keeping a job, leadership, teamwork, building healthy relationships, dealing with emotions, and being resilient in the face of disappointments and setbacks will also be part of this course.
2022-2023 Course Offerings
Health & Physical Education

All students must complete 2.0 credits as follows to graduate from high school:

0.5 Health credit + 1.5 Physical Education credits = 2.0 credits

<table>
<thead>
<tr>
<th>Courses that Satisfy the .5 Health Course Requirement</th>
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<tbody>
<tr>
<td>Introduction to Lifetime Fitness</td>
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<td>Health</td>
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<tr>
<th>Career and Technical Education Courses</th>
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<tbody>
<tr>
<td>Introduction to Nutrition and Fitness (CTF 401)</td>
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<tr>
<td>Child Development/Parenting 1 &amp; 2 (CTF 205/206)</td>
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<tr>
<td>Science of Nutrition and Health (CTF 402)</td>
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<tr>
<td>Physical Fitness Technician (CTF 107/108)</td>
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<tr>
<td>Nutrition and Fitness for Lifelong Health (CTF 403)</td>
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<tr>
<td>Biomedical Innovations (CTF 269/270)</td>
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<tr>
<td>Family Health (CTH 301/302)</td>
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<tr>
<td>Sports Medicine (CTF 211/212)</td>
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<tr>
<td>Introduction to Medical Careers 1 &amp; 2 (CTF 209/210)</td>
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<tr>
<td>Human Body Systems (CTF 221/222)</td>
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<tr>
<td>Medical Interventions (CTF 267/268)</td>
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<tr>
<td>Principles of the Biomedical Sciences (CTF 219/220)</td>
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</tbody>
</table>
Health & Physical Education

Introduction to Lifetime Fitness (HEF 111)
Grade Level: 9, 10, 11, 12. (This course is required for grad year 2018 or later.)
Credit: Health, Physical Education, or Elective 0.5 This course is a prerequisite for physical education courses. This class is an introductory course designed to promote lifetime fitness. Students will understand the five components of fitness and perform various activities to enhance their fitness levels in all five areas. Fitness assessments will be administered and evaluated throughout the semester. Students will understand elements of nutrition, safety, and basic anatomy and physiology.

Health (HEF 215)
Grade Level: 9, 10, 11, 12.
Credit: Health or Elective 0.5
Students learn the importance of total health/wellness by studying the mental, physical and social aspects of healthy lifestyles. Topics include the nervous system, alcohol, and drug abuse, nutrition, eating disorders, fitness and stress management.

Aerobics (HEF 105)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Lifetime Fitness
Aerobics program is designed for students to look at and monitor individual health habits, assess fitness in the components of health-related fitness and skill-related fitness, analyze current personal health and fitness plan, set individual fitness goals and create, engage in and evaluate a personal health and fitness plan based on personal goals, and adjust the plan and goals as determined. Students will use a variety of aerobic activities (aerobic dance, step aerobics, kick-boxing, jump rope, walking, jogging, light weights and resistance exercise and more) to increase cardiovascular endurance, flexibility, muscular strength and overall fitness. Students will also explore health related components of fitness such as; the FITT Principle, 3 focus training principle, basic anatomy and fitness nutrition.

Advanced Aerobics (HEF 361)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Lifetime Fitness and have received a “C” or better in Aerobics
This course is designed for students who are interested in a regimen of aerobic exercise at an intermediate to advanced level. This course will focus on criteria essential to establishing and maintaining one’s lifelong fitness abilities through step aerobics, interval training, and other aerobic activities. It will include nutrition and wellness techniques to further a healthy lifestyle. Students should expect the class to be at a much faster and strenuous pace than regular aerobics.

Field/Court Sports (HEF 205)
Health & Physical Education

Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Lifetime Fitness

This program is designed to maintain one’s physical conditioning through the use of individual and team activities. Diverse activities will include racquet sports, indoor and outdoor games and days geared toward improving cardiovascular endurance. Activity choices will depend on enrollment, weather, and facilities. Individual skills and team concepts will be developed in court games such as tennis, badminton, pickleball, volleyball, and basketball. Fitness testing will be conducted each semester.

Weight Training (HEF 207)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Lifetime Fitness

This course helps students develop an individual program to fit their own needs. Students work toward improved free weight techniques, increased flexibility, and speed development.

Advanced Weight Training (HEF 251)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled, or have taken, Introduction to Lifetime Fitness and Weight Training

This course focuses on serious weight lifters. Activities are designed toward athletic training needs. Bench, squat, deadlift and power cleans are requirements.

Conditioning (HEF 103)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Lifetime Fitness

This course is designed to teach students techniques in developing muscular strength endurance, as well as aerobic conditioning. Weight training alternated with cardiovascular conditioning is the hallmark of this course. Cardiovascular conditioning will consist of running and recreational activities. Students will be taught the proper principles of training and how these principles relate to conditioning. Students are encouraged to develop their own lifetime fitness goals. Fitness testing will be conducted each semester.

Advanced Conditioning (HEF 253)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Lifetime Fitness
Health & Physical Education

**Fitness and Conditioning**
This course is designed to teach students advanced techniques in developing muscular strength endurance, as well as aerobic conditioning. Weight training alternated with cardiovascular conditioning is the hallmark of this course. Cardiovascular conditioning will consist of running and recreational activities. Students will be taught the proper principles of training and how these principles relate to conditioning. Students are encouraged to develop their own lifetime fitness goals. Fitness testing will be conducted each semester.

**Zumba (HEF 113)**

*Grade Level: 9, 10, 11, 12*

*Credit: Physical Education, or Elective 0.5*

*Must be currently enrolled or have already taken Introduction to Lifetime Fitness*

Zumba is a Latin Inspired Dance Fitness Program that incorporates styles such as: Salsa, Bachata, Merengue, Cumbia and more. In this course, students would learn routines composed of the different dance styles, compose routines of their own as individuals and/or in small groups and learn about the history and rhythms of each dance style.
Health & Physical Education

The Health & Physical Education courses listed below are offered through the Career and Technical Education Department.

**Introduction to Nutrition and Fitness (CTF 401)**
*Grade Level: 9, 10, 11, 12*  
*Credit: Health or Occupational/CTE or Elective .5*

**Science of Nutrition and Health (CTF 402)**
*Grade Level: 9, 10, 11, 12*  
*Credit: Physical Education or Occupational/CTE or Elective .5*

**Nutrition and Fitness for Lifelong Health (CTF 403)**
*Grade Level: 9, 10, 11, 12*  
*Credit: Physical Education or Occupational/CTE or Elective .5.*

**Intro to Physical Fitness Tech (CTF 107)**
*Grade Level: 10, 11, 12*  
*Credit: Health, Physical Fitness, Occupational/CTE, or Elective 0.5*

**Physical Fitness Program Design (CTF 108)**
*Grade Level: 10, 11, 12*  
*Credit: Health, Physical Fitness, Occupational/CTE, or Elective 0.5*  
**Prerequisite:** Completion of Intro to Physical Fitness Tech

**Introduction to Medical Careers 1 (CTF 209)**
*Grade Level: 10, 11, 12*  
*Credit: Health, Occupational/CTE or Elective 0.5*

**Introduction to Medical Careers 2 (CTF 261)**
*Grade Level: 10, 11, 12*  
*Credit: Health, Science, Occupational/CTE or Elective 0.5*

**Sports Medicine 1A & 1B (CTF 211/212)**
*Grade Level: 10, 11, 12*  
*Credit: Occupational/CTE, Health, or Elective 1.0*

**Sports Medicine 2A & 2B (CTF 223/224)**
*Grade Level: 11, 12*  
*Credit: Health, Occupational/CTE or Elective 1.0*
Health & Physical Education

Sports Medicine Practicum (CTF 225)
Grade Level: 11, 12
Credit: Occupational/CTE or Elective 0.5 (Repeatable)

Medical Interventions A & B (CTF 267/268)
Grade Level: 11, 12
Credit: Occupational/CTE, Lab Science (Physics), Health, or Elective 1.0 NCAA approved
Prerequisite: Successful completion of Biology or Principles of the Biomedical Sciences

Child Development 1 (CTF 205)
Grade Level: 9, 10, 11, 12
Credit: Health, Occupational/CTE or Elective 0.5

Child Development 2 (CTF 255)
Grade Level: 9, 10, 11, 12
Credit: Health, Occupational/CTE or Elective 0.5
Prerequisite: Child Development 1 preferred

Family Health (CTH 301/302)
Grade Level: 9, 10, 11, 12
Credit: Health, Occupational/CTE or Elective 0.5

Air Force JROTC - Bethel
Year 1A, 1B & 1C (CTJ 207/208/509)
Year 2A, 2B & 2C (CTJ 209/210/511)
Year 3A, 3B & 3C (CTJ 211/212/513)
Year 4A, 4B & 4C (CTJ 213/214/515)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, Elective 1.0. Year 3 - CTSS 252 World Studies 1.0

Army JROTC - Graham-Kapowsin
Year 1A, 1B & 1C (CTJ 215/219/517)
Year 2A, 2B, & 2C (CTJ 216/220/519)
Year 3A, 3B, & 3C (CTJ 217/222/521)
Year 4A, 4B, & 4C(CTJ 218/222/523)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, or Elective 1.0
Health & Physical Education

Navy JROTC - Spanaway Lake
Year 1A, 1B & 1C (CTJ 225/226/527)
Year 2A, 2B & 2C (CTJ 227/228/529)
Year 3A, 3B & 3C (CTJ 219/230/531)
Year 4A, 4B & 4C (CTJ 231/232/533)

Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, or Elective 1.0 - Year 3 - CTSS 252 World Studies 1.0
2021-22 Course Offerings
Mathematics

All students must complete 3.0 credits to graduate from high school. Listed below are the minimum required courses for graduation. Students who took any of these courses in 7th or 8th grade have the option of requesting that they be put on their transcript or may take advanced level mathematics to meet the 3.0 credit requirement.

<table>
<thead>
<tr>
<th>Courses that Satisfy the Mathematics 3 Credit Graduation Requirement</th>
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</thead>
<tbody>
<tr>
<td><strong>Standard Courses</strong></td>
<td><strong>AP &amp; Advanced</strong></td>
</tr>
<tr>
<td>Algebra</td>
<td>Statistics/Probability</td>
</tr>
<tr>
<td>Intensified Algebra</td>
<td>AP Statistics/Probability</td>
</tr>
<tr>
<td>Geometry</td>
<td>Pre-Calculus</td>
</tr>
<tr>
<td>Geometry/Advanced Algebra</td>
<td>AP Calculus AB</td>
</tr>
<tr>
<td>Modeling Our World with Mathematics</td>
<td>AP Calculus BC</td>
</tr>
<tr>
<td>Advanced Algebra</td>
<td>AP Computer Science A</td>
</tr>
<tr>
<td>Bridge to College Math</td>
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</tr>
</tbody>
</table>
Electives with Math Emphasis:

- Math Lab
- Statistics Principles in Sports and Activities
- Accounting 1A & 1B
- Financial Fitness A & B

Standard, AP, and Advanced Mathematics courses are NCAA Approved. Exceptions are Bridge to College Math, and Electives with Math Emphasis.

High School Mathematics Pathways

These pathways will meet the mathematics graduation requirements. The classes in these sequences will give all students access and the opportunity to learn our math standards and prepare them for STEM career opportunities. All students need a minimum of 3 core credits of math (Algebra, Geometry, and Advanced Algebra or equivalent). Coursework can continue from one year to the next.

Algebra Standard Sequence (7 trimesters = 3.5 credits)

This pathway is the minimum for students who are looking to go to a four-year university. It is recommended to take a fourth-year advanced math course for many universities.

<table>
<thead>
<tr>
<th></th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended</td>
<td>Algebra A, B &amp; C, 3 Trimesters</td>
<td>Geometry* A &amp; B, 2 Trimesters</td>
<td>Advanced Algebra* A &amp; B, 2 Trimesters</td>
<td></td>
</tr>
<tr>
<td>Pathway</td>
<td>Or Intensified Algebra (1.5)</td>
<td></td>
<td>MOWWM* A &amp; B, 2 Trimesters</td>
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</tr>
<tr>
<td>Additional</td>
<td>Math Lab (.5), Accounting (1.0)</td>
<td>Math Lab (.5), Statistics Principles in Sports and Activities (.5), Accounting (1.0), AP Computer Science Principles (1.5)</td>
<td>Math Lab (.5), Statistics Principles in Sports and Activities (.5), Accounting (1.0), Financial Fitness (1.0), AP Computer Science Principles (1.5)</td>
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<tr>
<td>Electives</td>
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</table>

*these 2-trimester courses may be taken any trimester they are offered (e.g. trimesters 1 & 2, 2 & 3, 1 & 3)

Algebra Accelerated Sequence (8 trimesters = 4 credits)
### Recommended Pathway

<table>
<thead>
<tr>
<th>Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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</thead>
<tbody>
<tr>
<td><strong>9th Grade</strong></td>
<td>Algebra A, B &amp; C 3 Trimesters</td>
<td>Geometry/Advanced Algebra A &amp; B 3 trimesters</td>
<td>Pre-Calculus* A &amp; B 2 Trimesters</td>
<td>- AP Calculus AB (1.5)</td>
</tr>
<tr>
<td><strong>Or</strong></td>
<td>Intensified Algebra (1.5)</td>
<td></td>
<td></td>
<td>- Statistics (1.0)</td>
</tr>
<tr>
<td><strong>Additional Electives</strong></td>
<td>Intensified Algebra (1.5)</td>
<td>Math Lab (.5) Statistics Principles in Sports and Activities (.5) Accounting (1.0) AP Computer Science Principles (1.5)</td>
<td>Math Lab (.5) Statistics Principles in Sports and Activities (.5) Accounting (1.0) Financial Fitness (1.0) AP Computer Science Principles (1.5)</td>
<td>- AP Calculus AB (1.5)</td>
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<tr>
<td></td>
<td>Math Lab (.5) Accounting (1.0)</td>
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<td></td>
<td>- AP Statistics (1.5)</td>
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<td>Accounting (1.0)</td>
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<td>- Bridge to College Math (1.0)</td>
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<td>- Statistics Principles in Sports and Activities (.5)</td>
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<td>- Accounting (1.0)</td>
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<td>- Financial Fitness (1.0)</td>
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<td>- AP Computer Science Principles (1.5)</td>
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</tbody>
</table>

*these 2-trimester courses may be taken any trimester they are offered (e.g. trimesters 1 & 2, 2 & 3, 1 & 3)

### Geometry Standard Sequence (6 trimesters = 3 credits)

<table>
<thead>
<tr>
<th>Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended Pathway</strong></td>
<td>Geometry* A &amp; B 2 Trimesters</td>
<td>Advanced Algebra* A &amp; B 2 Trimesters</td>
<td>Pre-Calculus* A &amp; B 2 Trimesters</td>
<td>- AP Calculus AB (1.5)</td>
</tr>
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<td>- Statistics (1.0)</td>
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<td>- AP Statistics (1.5)</td>
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<td>- Bridge to College Math (1.0)</td>
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<td>- Statistics Principles in Sports and Activities (.5)</td>
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<td>- Accounting (1.0)</td>
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<td>- Financial Fitness (1.0)</td>
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<td>- AP Computer Science Principles (1.5)</td>
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<tr>
<td><strong>Additional Electives</strong></td>
<td>Math Lab (.5) Accounting (1.0)</td>
<td>Math Lab (.5) Statistics Principles in Sports and Activities (.5) Accounting (1.0) AP Computer Science Principles (1.5)</td>
<td>Math Lab (.5) Statistics Principles in Sports and Activities (.5) Accounting (1.0) Financial Fitness (1.0) AP Computer Science Principles (1.5)</td>
<td>- AP Calculus AB (1.5)</td>
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<td>Math Lab (.5)</td>
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<td>- Statistics (1.0)</td>
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<td>AP Computer Science Principles (1.5)</td>
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<td>- Financial Fitness (1.0)</td>
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<td>Financial Fitness (1.0)</td>
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<td>- AP Computer Science Principles (1.5)</td>
</tr>
</tbody>
</table>

*these 2-trimester courses may be taken any trimester they are offered (e.g. trimesters 1 & 2, 2 & 3, 1 & 3)

### Geometry Accelerated Sequence (7 trimesters = 4 credits)

*This pathway is for students who take Algebra in 8th grade.*

<table>
<thead>
<tr>
<th>Grade</th>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended Pathway</strong></td>
<td>Geometry* A &amp; B 2 Trimesters</td>
<td>Advanced Algebra* A &amp; B 2 Trimesters</td>
<td>Pre-Calculus* A &amp; B 2 Trimesters</td>
<td>- AP Calculus AB (1.5)</td>
</tr>
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<td></td>
<td>- Statistics (1.0)</td>
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<td>- AP Statistics (1.5)</td>
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<td>- AP Computer Science Principles (1.5)</td>
</tr>
</tbody>
</table>
### Recommended Pathway

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Grade</th>
<th>Grade</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geometry/Advanced Algebra A &amp; B</td>
<td>9th</td>
<td>10th</td>
<td>11th</td>
<td>12th</td>
</tr>
<tr>
<td>3 trimesters</td>
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<tr>
<td>Pre-Calculus* A &amp; B 2 Trimesters</td>
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<tr>
<td>AP Calculus AB A, B &amp; C 3 Trimesters</td>
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<tr>
<td>AP Statistics A, B &amp; C 3 Trimesters</td>
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<tr>
<td>Statistics* A &amp; B 2 Trimesters</td>
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<tr>
<td>Additional Electives</td>
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<tr>
<td>Math Lab (.5)</td>
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<tr>
<td>Statistics Principles in Sports and</td>
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<tr>
<td>Activities (.5)</td>
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<td>AP Computer Science Principles (1.5)</td>
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</tbody>
</table>

*these 2-trimester courses may be taken any trimester they are offered (e.g. trimesters 1 & 2, 2 & 3, 1 & 3)*

### Advanced Algebra Standard Sequence (6 trimesters = 3 credits)

This pathway is for students who take Algebra in 7th grade and Geometry in 8th grade.

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Grade</th>
<th>Grade</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra (MTH 103/104/505)</td>
<td>9th</td>
<td>10th</td>
<td>11th</td>
<td>12th</td>
</tr>
<tr>
<td>Grade Level: 9, 10, 11, 12</td>
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<tr>
<td>Credit: Mathematics 1.5 NCAA approved</td>
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<tr>
<td>This 3 trimester course engages</td>
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<tr>
<td>students in the Common Core...</td>
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</tbody>
</table>
Practices—especially problem solving and argumentation—as a means to interpret, build, and apply functions (including linear, exponential, quadratic, and other simple polynomials). Students learn to represent and solve problems with tables, graphs, equations and diagrams. This course is strongly aligned with Common Core State Standards for Mathematics Content and Practices, and it prepares students for the state math assessment.

**Intensified Algebra (MTH 121/122/507)**

*Grade Level: 9, 10  
*Credit: Mathematics 1.5 NCAA approved  
*Prerequisite: Placement in Intensified is based on student need with teacher approval.*

Intensified Algebra is a 4 trimester course that strengthens student foundations of Algebra, then proceeds into the core topics of Algebra 1: linear, exponential and quadratic functions. Students learn to represent and solve problems with tables, graphs, equations and diagrams. Intensified Algebra also teaches students about the changeable nature of their intelligence, and that effective effort increases their persistence, skill, and knowledge. This course is strongly aligned with Common Core State Standards for Mathematics Content and Practices, and it prepares students for the state math assessment.

**Geometry (MTH 151/152)**

*Grade Level: 9, 10, 11, 12  
*Credit: Mathematics 1.0 NCAA approved  
*Prerequisite: Algebra 1 / Applied Algebra with C or better or teacher approval.*

This Geometry is a 2 trimester course founded on transformational definitions of congruence, similarity, and symmetry. Students are engaged in the Common Core Mathematical Practices—especially problem solving and argumentation—as a means to understand, prove, and apply the foundations of Geometry to figures in the coordinate plane and the real world. Students learn to select and use a wide range of tools for geometric investigation. This course is strongly aligned with Common Core State Standards for Mathematics Content and Practices, and it prepares students for the state math assessment.

**Geometry/Advanced Algebra (MTH 155/156)**

*Grade Level: 9, 10  
*Credit: Mathematics 2.0 NCAA approved  
*Prerequisite: Algebra.*
This accelerated course aligns with Common Core State Standards for Mathematics Content and Practices for Geometry and Advanced Algebra. In 3 trimesters, plus summer online work, students will learn the essential content and skills to prepare them for advanced coursework. Extensive work will be required outside the classroom. Students who successfully complete this course will meet both their Geometry and Advanced Algebra graduation requirements.

Modeling Our World with Mathematics  (MTH 363/364)  
*Grade: 11, 12*  
*Credits: 1.0 Mathematics (qualifies as Algebra or 3rd math graduation requirement credit)*  
This course contains five thematic units where students use high school mathematics to analyze everyday life experiences and to support informed life choices. The math applications support student interest and career connections and can be sequenced in any order. Units include: Finances for Life, Civic Readiness, Health and Fitness, Digital World, Music and Art.

Advanced Algebra (MTH 253/254)  
*Grade Level: 9, 10, 11, 12*  
*Credit: Mathematics or Elective 1.0 NCAA Approved*  
*Prerequisite: Algebra, Applied Algebra with C or better or teacher approval.*  
Advanced Algebra deepens the work of Algebra—interpreting, building, and applying functions. Common Core Mathematical Practices such as problem solving, reasoning, and modeling are used with the complex number system and with new function types (rational and trigonometric). The Math Practices are also used for interpreting and drawing inferences from data. This course is aligned with Common Core State Standards for Mathematical Content and Practices.

Bridge to College Math  (MTB 401/402)  
*Grade Level: 12*  
*Credit: Mathematics or Elective 1.0*  
The Bridge to College Mathematics course is a math course for Seniors who score a 2 on the Smarter Balanced 11th grade assessment. The course curriculum emphasizes modeling with mathematics and the CCSS Standards for Mathematical Practice. Topics include building and interpreting functions (linear, quadratic & exponential), writing, solving and reasoning with equations and inequalities, and summarizing, representing, and interpreting data. Beginning in fall 2016 students who have passed the course (with a B or higher) will be considered college-ready by the majority of colleges in Washington and permitted to enroll in college-level math courses (Non-Calculus/STEM pathways) without additional placement testing.

Advanced Level Mathematics
The following courses are advanced level and similar to college level courses. It is recommended that students take at least one of these courses if they plan to attend a four-year college or university. Students who took Algebra and/or Geometry in 7th and 8th grade may use these courses to meet their 3 high school credits.

**Statistics/Probability (MTH 321/322)**

*Grade Level: 11, 12*

*Credit: Mathematics, or Elective 1.0 NCAA approved (2/16/18)*

*Prerequisite: Advanced Algebra with a “C” or better or teacher approval*

This Course is designed to introduce statistical thinking. The focus of this class is on statistical ideas and reasoning, and on its relevance to such fields as medicine, education, environmental science, business, psychology, sports, politics, and entertainment. Activities, applications, and data explorations give students an opportunity to investigate, discuss, and make use of statistical ideas and methods. This class invites discussion and even argument about statistical ideas rather than focus exclusively on computation (though some computations remain essential). Students who take this course will use technology, such as, TI graphing calculators, statistical software packages, and internet resources. Some major assignments in this course include designing and implementing a statistical survey/observational survey and designing and analyzing games of chance. By the end of this course, students will have a working knowledge of the ideas and applications of practical statistics.

**Advanced Placement Statistics (MTH 461/462/563)**

*Grade Level: 10, 11, 12*

*Credit: Mathematics, or Elective 1.5 NCAA approved*

*Prerequisite: Advanced Algebra or Applied Math 3 with a “C” or better or teacher approval.*

Central Washington College Credit Available - Credit fee paid to Central Washington University.

This course is a rigorous, college level course and requires higher levels of thinking and workload. This course is recommended for those students pursuing college studies in the social sciences, medicine, psychology, business, humanities and education. This course focuses on the following four content areas for statistics: exploratory data analysis, data collection, probability and statistical inference. Students must have a graphing calculator capable of advanced statistical analysis (TI-83 strongly recommended). Completion of the Advanced Placement Exam is required.

**Pre-Calculus (MTH 251/252)**

*Grade Level: 9, 10, 11, 12*

*Credit: Mathematics, or Elective 1.0 NCAA approved*

*Prerequisite: Advanced Algebra with a grade of a “C” or better or teacher approval.*
Central Washington College Credit Available - Credit fee paid to Central Washington University.
This course will emphasize functions algebraically and graphically. Linear, polynomial, exponential, logarithmic models will be applied to the real world. Additional topics may include matrices, vectors, parametric equations, polar coordinates and limits. Graphing calculators are used throughout the course to visualize, verify and analyze problem solving strategies and solutions (TI-83 strongly recommended).

Advanced Placement Calculus AB (MTH 463/464/565)

Grade Level: 11, 12
Credit: Mathematics, or Elective 1.5 NCAA approved
Prerequisite: Pre-Calculus with a grade of a “C” or better or teacher approval.
Central Washington College Credit Available - Credit fee paid to Central Washington University. This course is a rigorous, college level course and requires higher levels of thinking and workload. This course is recommended for students who intend to study engineering, sciences, business or who want a deeper understanding of math. Students must have their own graphing calculator (TI-83 calculator strongly recommended). Completion of the Advanced Placement Exam is required.

Advanced Placement Calculus BC (MTH 465/466/567)

Grade Level: 11, 12
Credit: Mathematics, or Elective 1.5 NCAA approved
Prerequisite: AP Calculus AB
AP Calculus BC is a continuation of AP Calculus AB for students preparing to take the Calculus BC exam in May. The course reviews all of the Calculus AB topics and covers parametric, polar and vector functions with their application in differential and integral calculus, slope fields, Euler’s Method, L’Hopital’s Rule to determine limits and convergence of improper integrals and series, antiderivatives by substitution with change of limits, by parts and simple partial fractions. The exploration of polynomial approximations and series convergence or divergence is a large part of the class. A graphing calculator is required. Completion of the Advanced Placement Exam is required.

Advanced Placement Computer Science A (CTT 403/404/505)

Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science, Occupational/CTE or Elective 1.5 NCAA approved
Prerequisite: Successful Completion of Computer Science A with a “C” or better and successful completion of Introduction to Computer Programming or teacher permission.
Students will learn Java programming. The course emphasizes the design issues that make programs understandable, adaptable, and, when appropriate, reusable. At the
same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. Completion of the Advanced Placement Exam is required. *Note: the Pierce County Skills Center offers programs that may be of interest to you: DigiPen Game Design or PC Networking and Hardware Repair. For more information please see the Pierce County Skills Center section.

**Elective Courses with Math Emphasis**

**Math Lab (MTH 101/102)**
*Grade Level: 9, 10, 11, 12 repeatable*
*Credit: Elective 0.5*
Students will gain math skills necessary to meet the math requirements of high school courses.

**Statistics Principles in Sports and Activities (MTH 207)**
*Grade Level: 10, 11, 12*
*Credit: Elective 0.5*
In this one trimester course, students will effectively apply principles of algebra, advanced algebra, geometry, statistics, discrete math, and probability in the context of sports and games. This course will apply the mathematical principles to authentic simulations of real events. In addition, students will recognize, draw, and model geometric figures to represent real world objects.

The Math courses listed below are offered through the Career and Technical Education Department.

**Accounting 1A & 1B (CTB 201/202)**
*Grade Level: 9, 10, 11, 12*
*Credit: 3rd year Math Credit 1.0, Occupational/CTE or Elective 1.0*

**Financial Fitness A & B (CTB 305/306)**
*Grade Level: 11, 12*
*Credit: Occupational/CTE, Elective 1.0, Math Elective 1.0*
*Prerequisite: Successful completion of Algebra 1*
2022-2023 Course Offerings
Science
All students must complete 3.0 science credits to graduate from high school. 2.0 credits must be from lab based science courses.

The Bethel School District is committed to the vision of the Next Generation Science Standards: all standards for all students. The high school science programs use a curriculum that integrates earth-space science and engineering into the traditional domains of biology, physics, and chemistry. Beginning with 9th grade students entering high school in fall 2020 (graduation class of 2024) will choose 1 of 3 science course sequences. These sequences provide all students the opportunity to be scientifically literate citizens who
1) access and succeed in post-high school education and training programs,
2) experience improved earning power and employment opportunities found in STEM fields,
3) make evidence-based decisions for themselves, their families, and their communities.

9th Grade - Standard Sequence (6 trimesters = 3 credits):
This pathway will meet the science graduation requirements. The classes in this sequence will give all students access and opportunity to learn our science standards and prepare them for STEM career opportunities. This pathway is a good choice for students in the Arts & Communication, Business & Marketing, Human Services, Information Technology, and STEM pathways.

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Pathway</td>
<td>Biology* A &amp; B 2 trimesters</td>
<td>Chemistry* A &amp; B 2 trimesters</td>
<td>Physics* A &amp; B 2 trimesters</td>
</tr>
<tr>
<td>Additional Science Courses Available</td>
<td>Earth Science (.5) Environmental Science (1.0)</td>
<td>Anatomy &amp; Physiology (1.0) AP Biology (1.5) AP Environmental Science*** (1.5) Earth Science (.5)</td>
<td>Anatomy &amp; Physiology (1.0) AP Biology (1.5) AP Chemistry (1.5) AP Environmental Science*** (1.5) Biology of Addiction and the Brain (1.0)</td>
</tr>
</tbody>
</table>

- AP Physics 1 -should have completed adv. algebra or be concurrently enrolled 3 trimesters
Environmental Science (.5)  
Marine Biology (.5)  
Zoology (.5)  
Earth Science (.5)  
Marine Biology (.5)  
Zoology (.5)

*these 2 trimester courses may be taken any trimester they are offered (e.g. trimesters 1 & 2, 2 & 3, 1 & 3)

***If a student is taking AP Environmental Science after completing Biology, the final unit will be an extension unit after taking the AP Exam.

9th Grade - **Alternative** Biomedical Science Sequence (9 trimesters = 4.5 credits)
This pathway is for any student interested in pursuing a career in the medical field. The classes in this sequence will meet the CTE graduation requirements as well as the science requirements. This pathway is a good choice for students in the Health Science pathway.

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Biomedical Science 2 trimesters</td>
<td>PBS Biology 1 trimester</td>
<td>Human Body Systems 2 trimesters</td>
<td>Biomedical Interventions 2 trimesters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chem. in Human Body Systems 1 trimester</td>
<td>Physics in Medical Intervention 1 trimester</td>
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<td></td>
<td></td>
<td>Optional Biomedical Innovations 2 trimesters</td>
</tr>
</tbody>
</table>

9th Grade - AP Environmental Sequence (7 trimesters = 3.5 credits):
This pathway is for any student seeking to challenge themselves by taking an Advanced Placement course during 9th grade. The AP Environmental Science course takes a deeper look into ecology, climate, and sustainability than the Biology course in the standard sequence. This pathway is a good choice for students in the Science and Natural Resources pathway.

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Pathway</td>
<td>AP Environmental Science** 3 trimesters</td>
<td>Chemistry* A &amp; B 2 trimesters</td>
<td>Physics* A &amp; B 2 trimesters</td>
</tr>
<tr>
<td>Additional Science Courses Available</td>
<td>Earth Science (.5)</td>
<td>Anatomy &amp; Physiology (1.0) AP Biology (1.5) Earth Science (.5) Marine Biology (.5)</td>
<td>Anatomy &amp; Physiology (1.0) AP Biology (1.5) AP Chemistry (1.5) Biology of Addiction and the Brain (1.0) Earth Science (.5) Marine Biology (.5) Zoology (.5)</td>
</tr>
</tbody>
</table>
**These 2 trimester courses may be taken any trimester they are offered (e.g. trimesters 1 & 2, 2 & 3, 1 & 3)**

**The AP Environmental Science Teacher can teach a unit to cover the missing Biology concepts after the AP Exam.**

***If a student is taking AP Environmental Science after completing Biology, the final unit will be an extension unit after taking the AP Exam.***

Other science electives may be taken concurrently with these courses based on availability at each high school.

<table>
<thead>
<tr>
<th>Courses that Satisfy the Science Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>(Note: L = Lab Based Science Course, A = Algebra Based)</em></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standard</th>
<th>AP &amp; Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics - L, A</td>
<td>AP Physics 1 - L, A</td>
</tr>
<tr>
<td>Biology - L</td>
<td>AP Biology - L</td>
</tr>
<tr>
<td>Chemistry - L, A</td>
<td>AP Chemistry - L, A</td>
</tr>
<tr>
<td>Earth Science - L</td>
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<tr>
<td>Zoology - L</td>
<td></td>
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<tr>
<td>Marine Biology - L</td>
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<tr>
<td>Environmental Science - L</td>
<td>AP Environmental Science - L</td>
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<tr>
<td>The Biology of Addiction and the Brain - L</td>
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<tr>
<td>CTE Science Electives</td>
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<tr>
<td>Anatomy and Physiology - L</td>
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<tr>
<td>Biomedical Innovations - L</td>
<td>AP Computer Science A - L</td>
</tr>
<tr>
<td>Medical Interventions - L</td>
<td>Greenhouse Management &amp; Hydroponics 1 &amp; 2</td>
</tr>
<tr>
<td>Intro to Medical Careers 2</td>
<td>Human Body Systems - L</td>
</tr>
<tr>
<td>Principles of Biomedical Sciences - L</td>
<td>Landscape Management</td>
</tr>
<tr>
<td>Conservation/Wildlife Biology 1 &amp; 2</td>
<td>Environmental Sustainability A &amp; B</td>
</tr>
</tbody>
</table>

Science courses are NCAA approved except for:
Forensic Science, Conservation/Wildlife Biology, Greenhouse Management & Hydroponics 1 & 2, Landscape Management, and Intro to Medical Careers 2

Courses that meet WA 4-year Colleges Algebra-Based Lab Requirement:
Chemistry  Physics  AP Computer Science A
AP Chemistry  AP Physics 1, 2, C

**Biology A & B (SCI 205/206)**

*Grade Level: 9, 10, 11, 12*

*Credit: Lab Science 1.0  NCAA Approved*

This course engages and supports students working toward their immediate and long-term goals:

- Becoming science-literate citizens
- Meet WA State graduation requirements
- Pursue additional courses and careers in Life Science (e.g. Environmental Science, Biotechnology, Forensics, Anatomy & Physiology)
- Appreciate the diversity, complexity, and importance of living systems on our planet.
In this two trimester NGSS-aligned course, students will construct and evaluate claims about the interactions between Earth's biosphere and other systems using scientific evidence from varying sources. Students will develop, use, and evaluate models to help demonstrate their understanding of relevant phenomena, including both observable and unobservable components. This course includes both molecular and macro biology concepts.

**Advanced Placement Biology A, B, & C (SCI 461/462/563)**

*Grade Level: 11, 12*

*Credit: Lab Science or Elective 1.5  NCAA Approved*

*Prerequisite: Biology with a grade of “C” or teacher recommendation.*

This course is a rigorous, college level course and requires higher levels of thinking and workload. Completion of the Advanced Placement Exam is required. This is a one-year college prep and biology course. Study includes genetics, DNA, human anatomy and physiology, bacteriology, energetics, botany and ecology. Self-directed study will be required. Completion of the Advanced Placement Exam is required.

**Chemistry A & B (SCI 353/354)**

*Grade Level: 9, 10, 11, 12*

*Credit: Algebra Based Lab Science 1.0  NCAA approved*

This course engages and prepares students to: (1) be science-literate citizens; (2) meet Washington State Science Standards (NGSS) in preparation for the state science assessment; (3) pursue additional HS and college courses and careers in the Sciences (Physical, Earth, Life); and (4) use, apply, and continue to develop their mathematical skills in scientific contexts (measurement, number & operation, data analysis, algebra). Throughout the course, students will continue using Science and Engineering Practices and Cross Cutting Concepts to study Chemistry.

**Advanced Placement Chemistry A, B, & C (SCI 463/464/565)**

*Grade Level: 11, 12*

*Credit: Algebra Based Lab Science or Elective 1.5  NCAA approved*

*Prerequisite: Chemistry with “C” or better or teacher permission.*

This course is an extended study of the concepts introduced in Chemistry, including thermodynamics and equilibrium. Completion of the Advanced Placement Exam is required.

**Physics A & B (SCI 355/356)**

*Grade Level: 9, 10, 11, 12*

*Credit: Lab Algebra Based Lab Science 1.0  NCAA Approved*

This course engages and prepares students to:

- Be science-literate citizens
Pursue additional HS and college courses and careers in the Sciences (Physical, Earth, Life)
Use, apply, and continue to develop their mathematical skills in scientific contexts (Measurement, number and operation, data analysis, algebra).

This two trimester NGSS-aligned course in Physics will build on the knowledge and experience gained by students in previous science courses — using algebra to analyze force, motion, energy, momentum, electricity, and electromagnetism. Throughout the course, students will use the Science and Engineering Practices and Cross-cutting Concepts to construct their understanding of concepts in Physics.

Advanced Placement Physics 1 A, B, & C (SCI 465/466/570)
Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science or Elective 1.5 NCAA Approved
Prerequisite: "C" or better in mathematics through Advanced Algebra and recommendation of previous science teacher.
This course is a rigorous, college level course and requires higher levels of thinking and workload. This course uses algebra skills in the study of Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power. Laboratory experiments and problem solving are emphasized in all units. The pace of this course is accelerated and the material is in greater depth, with more mathematical computation than in Physics.

Advanced Placement Physics 2 A, B, & C (SCI 473/474/575)
Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science or Elective 1.5 NCAA Approved
Prerequisite: "C" or better in mathematics through Advanced Algebra and recommendation of previous science teacher.
This course is a rigorous, college level course and requires higher levels of thinking and workload. This course uses algebra skills in the study of fluid mechanics; thermodynamics; electricity ad magnetism; optics; atomic and nuclear physics. Laboratory experiments and problem solving are emphasized in all units. The pace of this course is accelerated and the material is in greater depth, with more mathematical computation than in Physics.

Advanced Placement Physics C A, B, & C (SCI 469/470/571)
Grade Level: 11, 12
Credit: Algebra Based Lab Science or Elective 1.5 NCAA Approved
Prerequisite: "C" or better in Pre-Calculus. Should have taken or be enrolled in AP Calculus.
This course is a rigorous, college level course and requires higher levels of thinking and workload. This course uses calculus skills in the study of mechanics, electricity and magnetism. Laboratory experiments and problem solving are emphasized in
all units. The pace of this course is accelerated with more mathematical computation than in Physics. Completion of one of the Advanced Placement Physics Exams (1, 2, or C) is required.

The Biology of Addiction and the Brain A & B (SCI 369/370)

*Grade Level: 11, 12*

*Credit: Lab Science or Elective 1.0*

*NCAA approved*

*Prerequisite: Biology with a grade of a “C” or better or teacher recommendation*

*University of Washington College Credit Available - Fee*

This class focuses on mood-altering drugs and considers how they work on molecules, cells, the brain, and behavior. This class will explore the effects of a range of mood-altering drugs to learn about brain structures, brain chemicals and genetic differences in people's response to drugs. By the end of this course, you will be able to think critically about claims, analyze, interpret, and extrapolate from data given, synthesize information, develop academic and professional habits of mind, understand addiction, understand factors that contribute to effects and side effects of a drug and evaluate safety of specific drugs for specific individuals.

Anatomy and Physiology A & B (SCI 359/360)

*Grade Level: 10, 11, 12*

*Credit: Lab Science or Elective 1.0*

*Prerequisite: Biology*

Human anatomy and physiology is an elective course for students with a special interest and high motivation for an in-depth study of human structures and function. The course integrates biology and chemistry using unifying concepts. Topics include the muscular, nervous, digestive, respiratory, circulatory, excretory, endocrine and reproductive systems and genetics.

Earth Science (SCI 203)

*Grade Level: 9, 10, 11, 12*

*Credit: Lab Science or Elective 0.5*

*NCAA approved*

*Prerequisite: None*

This is an NGSS aligned course that explores the Earth’s resources and systems. Topics include climate change, Earth’s dynamic system, nonrenewable and renewable energy sources, air resources, and pollution.

Marine Biology (SCI 365)

*Grade Level: 11, 12*

*Credit: Lab Science or Elective .5*

*NCAA approved*

*Prerequisite: Biology with a grade of a “C” or better or teacher recommendation*

This is a course for those who want to know about the creatures that inhabit the
Puget Sound. We start with understanding the oceans and move into studying the beach inhabitants.

**Zoology (SCI 357)**
*Grade Level: 11, 12*
*Credt: Lab Science or Elective .5*  
*NCAA approved*
*Prerequisite: Biology with a grade of a “C” or better or teacher recommendation*

This course is a survey of the animal kingdom, both vertebrates and invertebrates. Each of the major animal groups is covered with emphasis on structural and functional adaptations of representative forms together with ecological and evolutionary relationships.

**Environmental Science A & B (SCI 201/202)**
*Grade Level: 9, 10, 11, 12*
*Credt: Lab Science or Elective 1.0*  
*NCAA approved*
*Prerequisite: None*

Students enrolled in this course will conduct in depth scientific studies of ecosystems, population dynamics, resource management, water and air resources, pollution and the environmental consequences of natural and anthropogenic processes. Topics covered in this course include: ecosystem structure and function, earth’s biomes, the role and impact of human activities on natural systems, overpopulation, resource depletion, toxic substances and pollution of air, water and land. Students will formulate, design and carry out laboratory and field investigations. Students will exit the course with essential tools for understanding the complexities of national and global environmental systems. Hands on activities and laboratory experiments are included.

**Advanced Placement Environmental Science A, B, & C (SCI 401/402/503)**
*Grade Level: 11, 12*
*Credt: Occupational, Science, or Elective 1.5*  
*NCAA approved*
*Prerequisite: Successful completion of Biology with a grade of a "C" or better or teacher recommendation*

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

The Science courses listed below are offered through the Career and Technical Education Department.

**Environmental Science A & B (CTN 107/108)**
Grade Level: 10, 11, 12
Credit: Lab Science or Elective 1.0 (.5 @ SLHS) NCAA Approved

Advanced Placement Environmental Science A, B, & C (CTN 401/402/503)
Grade Level: 11, 12
Credit: Occupational, Science, or Elective 1.5 NCAA approved
Prerequisite: Successful completion of Biology with a grade of a "C" or better or teacher recommendation

Advanced Placement Computer Science A, B & C (CTT 403/404/505)
Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science, Occupational/CTE or Elective 1.5 NCAA approved
Prerequisite: Successful Completion of Computer Science A with a "C" or better or Successful completion of Introduction to Computer Programming 1 or teacher permission.

Conservation/Wildlife Biology 2 (CTN 102)
Grade Level: 10, 11, 12
Credit: Occupational/CTE, Science or Elective .5

Greenhouse Management and Hydroponics 1 & 2 (CTN 105)
Grade Level: 9, 10, 11, 12
Credit: Occupational or Science or Elective 0.5

Landscape Management (CTN 103)
Grade Level: 9, 10, 11, 12
Credit: Occupational, Science, or Elective 0.5

Intro to Medical Careers 2 (CTF 261/262)
Grade Level: 9, 10, 11, 12
Credit: Science, Occupational, or Elective 0.5
Prerequisite: Successful Completion of Health Sciences 1

Year 1 of the sequence -

Principles of the Biomedical Sciences A & B (CTF 219/220)
Grade level: 9, 10, 11, 12
Credit: Occupational/CTE, Biology (Lab Science), Science Elective, Health, Elective 1.0 NCAA approved

Principles of the Biomedical Sciences Biology (CTF 226)
Grade Levels: 9, 10, 11, 12
Credit: 0.5 credit Occupational/CTE, Lab Science NCAA approved
Prerequisite: enrollment in the Project Lead the Way science sequence

Year 2 of the sequence -

Human Body Systems A & B (CTF 221/222)
Grade Levels: 10, 11, 12
Credit: 1.0 Occupational/CTE, Lab Science (Chemistry), Science Elective, Health, Elective. NCAA approved
Prerequisite: Successful completion of Biology or Principles of Biomedical Sciences

Chemistry in Human Body Systems (CTF 230)
Grade Level(s): 10, 11, 12
Credit: 0.5 credit Occupational/CTE, Lab Science NCAA approved
Prerequisite: enrollment in the Project Lead the Way science sequence

Year 3 of the sequence -

Medical Interventions A & B (CTF 267/268)
Grade Level: 11, 12
Credit: Occupational/CTE, Lab Science (Physics), Health, or Elective 1.0 NCAA approved
Prerequisite: Successful completion of Biology or Principles of the Biomedical Sciences

Physics in Medical Interventions (CTF 228)
Grade Level(s): 11, 12
Credits: Credit: 0.5 Occupational/CTE, Lab Science (physics) NCAA approved
Prerequisite: enrollment in the Project Lead the Way science sequence

Year 4 of the sequence -

Biomedical Innovation A & B (CTF 269/270)
Grade Level(s): 12
Credits: Credit: 0.5 Occupational/CTE, Lab Science NCAA approved
Prerequisite: enrollment in the Project Lead the Way science sequence
2022-2023 Course Offerings
Social Studies

All students must complete 3.0 credits to graduate from high school.
Required Social Studies courses are: Washington State History and Government (typically completed in middle school\(^1\)), World Studies (1.0 credit), U.S. History (1.0 credit), Civics (0.5 credit), SS Elective (Economics) (0.5 credit)

<table>
<thead>
<tr>
<th>Courses that Satisfy the Social Studies Credit Requirements</th>
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<tr>
<td><strong>Standard Sequence</strong></td>
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<tr>
<td>Recommendation if needed</td>
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<tr>
<td>Washington State History and Government (SST 107/108)</td>
</tr>
<tr>
<td>10th - World Studies (2 trimesters)</td>
</tr>
<tr>
<td>11th - U. S. Studies (2 trimesters)</td>
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<tr>
<td>12th - Economics (1 trimester)</td>
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<tr>
<td>12th - Civics (1 trimester) .5</td>
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<td></td>
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<tr>
<td>Social Studies Electives</td>
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</tbody>
</table>

| Ancient Humanities                                      | AP European History                             |

\(^1\) A student may complete the Washington State History and Government in 7th or 8th grade to meet the requirement but will not receive the 0.5 high school credit. Any student who transfers from another state having already successfully completed that state’s history requirement will not be required to complete Washington State History and Government.
Social Studies

<table>
<thead>
<tr>
<th>Contemporary World Issues</th>
<th>AP Human Geography</th>
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<tbody>
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<td>Modern Humanities</td>
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<td>Sociology</td>
<td>Criminal Law, Civil Law, Street Law</td>
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</tbody>
</table>

All Social Studies courses are NCAA Approved

Economics (SST 101)

*Grade Level: 9, 10, 11, 12*

*Credit: Social Studies or Elective 0.5*  
*NCAA Approved*

Economics focuses on Microeconomics. Specific topics include, but are not limited to, economic systems and decision-making, supply and demand, prices, market structures, wages and labor disputes, employment trends and issues, and poverty and distribution of income.

Honors Economics (SST 155/156)

*Grade Level: 9, 10, 11, 12*

*Credit: Social Studies 0.5*  
*NCAA Approved*

This course meets the objectives of the economics course, while delving deeper into certain areas and expanding beyond in others, as it relates to the Honors curriculum.

Washington State History and Government (SST 107/108)

*Grade Level: 9, 10, 11, 12*

*Credit: Social Studies 0.5*  
*NCAA Approved*

During this semester course, students will learn about Washington State’s exploration, geography, native populations, fur trade, settlement, Indian wars, statehood, economics, government and the Washington State Constitution. This is a required course for graduation.
Social Studies

World Studies  (SST 207/208)
Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.0  NCAA approved
World Studies is a combination of the study of world history and current world issues. The study of world history centers on investigating the events of the past and their effect on events today: i.e., ancient India, ancient China, rise of Islam, Europe since the Renaissance and Africa and Latin America since the postclassical period. The investigation of current world issues is dictated by events and issues that dominate world discourse: i.e., regional and world conflicts, environmental problems, world economy, human rights, population, etc. Upon completion of this course, students will have an understanding of the historical background and possible resolution of major current issues.

Advanced Placement World History  (SST 463/464/565)
Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.5  NCAA approved
In this college level course, students explore five themes in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Students will investigate specific historical figures, groups, events, developments, and processes—and associated primary and secondary sources—from the rise of civilizations to the modern era. Completion of the Advanced Placement Exam is required.

U.S. Studies  (SST 205/206)
Grade Level: 9, 10, 11
Credit: Social Studies 1.0  NCAA approved
Students will examine basic features of United States history during the period of 1877 to the present. The catalyst for studying this period in United States history will be the themes of change, national identity, power, authority and governance and global connections. The course will include, but not be limited to, the following: industrialization, immigration, reform, World War I, depression and the New Deal, World War II, civil rights, the Vietnam War and world periods. Within this survey course considerable attention will be given to formation and development of geography competency skills, analyzing primary and secondary sources, bias detection, essay writing and presentation skills.
Social Studies

Advanced Placement U.S. History (SST 471/472/573)

Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.5

This course is a rigorous, college level course and requires higher levels of thinking and workload. Students will study a comprehensive survey of United States history from pre-colonial through the twentieth century. The course is designed to provide students with the analytic skills and factual knowledge to deal critically with the issues in United States history. Completion of the Advanced Placement Exam is required.

Civics (SST 201)

Grade Level: 9, 10, 11, 12
Credit: Social Studies 0.5

This course is designed to give students a foundation in local, state and federal political systems that include, but are not limited to, fundamentals of the United States Constitution; political processes and the separate functions of executive, legislative, and judicial branches of government; political culture; party systems; interest groups; bureaucracies; institutions (military, etc.); civil society; media roles; public policy (civil liberties, rights). Emphasis will be on the study of local government and factors influencing public policy making in the United States and other nations in the world.

Advanced Placement Government and Politics: U.S. (SST 467/468/569)

Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.5

This course is a rigorous, college level course and requires higher levels of thinking and workload. Students will study American politics and the processes of government that help shape our public policies. This is a course about political science, theories, ideas, and knowledge that explains political behavior. It emphasizes analysis and an explanation of the abstract process of how the government works. State or local government will not be included in this course, only the federal system. Completion of the Advanced Placement Exam is required.

Advanced Placement Government and Politics: Comparative (SST 469/470/571)

Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.5

This course is a rigorous, college level course and requires higher levels of thinking and workload. This fast paced course is designed to give students a foundation in comparative governmental and political concepts that include, but are not limited to, sovereignty, authority, power, political institutions, civil society, media, political and
Social Studies

economic change, and public policy in several select countries. Completion of the
Advanced Placement Exam is required.

SOCIAL STUDIES ELECTIVES

Contemporary World Issues (SST 401)
Grade Level: 12
Credit: Social Studies 0.5  NCAA approved
This is the study of international, national and local issues through a lens that allows
for respect and recognition of diversity. The issues of cultural ethnicity, sexism,
discrimination, and global diversity are examined in economic, sociological, political
and civic contexts.

Ancient Humanities (SST 209)
Grade Level: 10, 11, 12
Credit: Social Studies Elective .05  NCAA approved
Prerequisite: Willingness to read extensively, research exhaustively, discuss insightfully
and present findings enthusiastically.
From Cave Paintings to Cathedrals: students study the meaning of human life through
prehistoric, Sumerian, Egyptian, Greek, Roman and Christian Middle Ages cultures. In
each course students will read research, discuss and make presentations while
studying anthropology, archeology, sociology, psychology, philosophy, theology,
 mythology, art, music, literature, science and math.

Modern Humanities (SST 210)
Grade Level: 9, 10, 11, 12
Credit: Social Studies Elective 0.5  NCAA approved
Prerequisite: Willingness to read extensively, research exhaustively, discuss insightfully
and present findings enthusiastically.
From Renaissance to Artificial Intelligence: students study cultural revolutions spurred
by science through the Renaissance and Enlightenment into the 21st Century. In each
course students will read research, discuss and make presentations while studying
anthropology, archeology, sociology, psychology, philosophy, theology, mythology,
 art, music, literature, science and math.

Psychology (SST 303)
Grade Level: 9, 10, 11, 12
Credit: Social Studies or Elective 0.5  NCAA approved
The purpose of this course is to introduce students to the study of behavior and
mental processes of human beings and other animals. The course covers attitudes
and social influence, stress, conflict and adjustment in society, personality theories,
Social Studies

and psychological research.

Advanced Placement Psychology  (SST 479/480/581 or CTP 469/470/571)
Grade Level: 9, 10, 11, 12
Credit: Social Studies, Occupational/CTE or Elective 1.5    NCAA approved
This course is a rigorous, college level course and requires higher levels of thinking and workload. This fast paced course is designed to give students a foundation in psychological concepts. Topics include, but are not limited to, an in-depth study of research methodology, biopsychology, developmental psychology, cognitive psychology, disorders, treatments and social/cultural psychology with particular attention to overall measurement tools. Completion of the Advanced Placement Exam is required.

Advanced Placement Human Geography  (SST 481/482/583)
Grade Level: 9, 10, 11, 12
Credit: Social Studies or Elective 1.5    NCAA approved
This course is a rigorous, college level course and requires higher levels of thinking and workload. This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the earth’s surface. Students employ spatial concepts and landscape analysis to examine human social organizations and their environmental consequences. Additionally, they are exposed to the methods and tools geographers use in their science and practice. Completion of the Advanced Placement Exam is required.

Sociology  (SST 307)
Grade Level: 9, 10, 11, 12
Credit: Social Studies or Elective 0.5    NCAA approved
Sociology is the study of human group behavior. Students will develop an understanding of citizenship through the study of social patterns and the nature of group dynamics.

Social Justice  (SST 311)
Grade Level: 10, 11, 12
Credit: Social Studies or Elective 0.5    NCAA approved
The Social Justice class seeks to explore issues of race, gender, class, and religion. Students will examine various types of privilege and power, how it benefits those in the majority and provides obstacles for others. We will create a framework for better understanding ourselves, others, and society.

Criminal Law  (SST 211)
Grade Level: 10, 11, 12
Social Studies

*Credit: Social Studies or Elective  0.5*

This course advances the district's goals of equity and rigor. The course provides exposure to the legal system for those interested in careers as lawyers, law enforcement officers, social workers, paralegals, and researchers. In the criminal section we will focus on aspects of the criminal and juvenile justice systems. Students will have the opportunity to grow and refine their analytical, writing, researching, and public speaking skills. We will touch on broad and specific legal topics to give students a better understanding of law and how it affects you in real life. We will use case studies, individual research, group discussion / debate, and mock trials throughout the course in order to reach our goal.

Civil Law   (SST 213)

*Grade Level: 10, 11, 12*

*Credit: Social Studies or Elective  0.5*

This course advances the district's goals of equity and rigor. The course provides exposure to the legal system for those interested in careers as lawyers, law enforcement officers, social workers, paralegals, and researchers. In the civil law section we will focus on aspects of civil, public, and human rights. Students will have the opportunity to grow and refine their analytical, writing, researching, and public speaking skills. We will touch on broad and specific legal topics to give students a better understanding of law and how it affects you in real life. We will use case studies, individual research, group discussion / debate, and mock trials throughout the course in order to reach our goal.

Street Law   (CTB 208)

*Grade Level: 10, 11, 12*

*Credit: Occupational/CTE, Social Studies elective or Elective 0.5*

Criminal Law takes a closer look into the legal system in the US, specifically the criminal and juvenile justice systems. We will touch on both broad and specific legal topics to increase understanding of the law and how it impacts individuals on an everyday basis. Students will have the opportunity to grow and refine their analytical, writing, research, and public speaking skills. Recommended for 10th grade or above.

Advanced Placement Microeconomics   (SST 475/476/577)

*Grade Level:  10, 11, 12*

*Credit: Social Studies 1.5  NCAA Approved*

This course is a rigorous, college level course and requires higher levels of thinking and work load. This fast paced course is designed to give students a foundation in microeconomic concepts including, but not limited to, the nature and functions of
Social Studies

product markets (elasticity, marginality, supply, demand, monopoly, oligopoly, monopolistic competition), factors market (labor, income), market failures (externalities) and role of government (public goods, equity). Emphasis will be on the presentation of economic data in various modes. Completion of the Advanced Placement Exam is required.

Advanced Placement Macroeconomics (SST 473/474/575)
Grade Level: 10, 11, 12
Credit: Social Studies 1.5
NCAA Approved
This course is a rigorous, college level course and requires higher levels of thinking and work load. This fast paced course is designed to give students a foundation in macroeconomic concepts including, but not limited to, macroeconomic issues business cycle, (unemployment, inflation, growth), measurement of economic performance, national income and price determination, financial sector (banks, money demand), stabilization policies (fiscal and monetary policies, supply and demand effects), international trade and finance. Emphasis will be on the presentation of economic data in various modes. Completion of the Advanced Placement Exam is required.

Advanced Placement European History (SST 465/466/567)
Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.5
NCAA approved
This course is a rigorous, college level course and requires higher levels of thinking and workload. Students will study a comprehensive survey of European history. The course is designed to provide students with the analytic skills and factual knowledge to deal critically with the issues in history. Completion of the Advanced Placement exam is required.

The Social Studies courses listed below are offered through the Career and Technical Education Department.

Street Law (CTB 208)
Grade Level: 10, 11, 12
Credit: Occupational/CTE, Social Studies elective or Elective 0.5

Air Force JROTC - Bethel
Year 1A, 1B & 1C (CTJ 207/208/509)
Year 2A, 2B & 2C (CTJ 209/210/511)
Year 3A, 3B & 3C (CTJ 211/212/513)
Year 4A, 4B & 4C (CTJ 213/214/515)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, Elective 1.0. Year 3 - CTSS 252 World
Social Studies

*Studies 1.0*

**Army JROTC - Graham-Kapowsin**
Year 1A, 1B & 1C (CTJ 215/219/517)
Year 2A, 2B, & 2C (CTJ 216/220/519)
Year 3A, 3B, & 3C (CTJ 217/222/521)
Year 4A, 4B, & 4C (CTJ 218/222/523)
*Grade Level: 9, 10, 11, 12*
*Credit: Physical Education, Occupational/CTE, or Elective 1.0*

**Navy JROTC - Spanaway Lake**
Year 1A, 1B & 1C (CTJ 225/226/527)
Year 2A, 2B & 2C (CTJ 227/228/529)
Year 3A, 3B & 3C (CTJ 219/230/531)
Year 4A, 4B & 4C (CTJ 231/232/533)
*Grade Level: 9, 10, 11, 12*
*Credit: Physical Education, Occupational/CTE, or Elective 1.0 - Year 3 - CTSS 252 World Studies 1.0*
2022-2023 Course Offerings
Special Services

English Language Arts 9 (EN9 101/102/503)
Grade Level: 9
Credit: English Language Arts 1.0
Prerequisite: Teacher Recommendation
This course provides an alternate means to achieve an English Language Arts 9 credit. The curriculum is a modified version of English Language Arts 9. Students work to improve basic reading and writing skills. Emphasis is placed on oral reading, fluency, decoding, comprehension, vocabulary development, and writing skills. Students will expand writing skills through practice on informative, explanatory, and argumentative texts, and will develop skills in organization and style. Students will also participate in a range of collaborative discussions, building on others’ ideas and clearly expressing their own. Students work toward meeting standard on the Common Core 9-10 grade-specific standards.

English Language Arts 10 (EN9 201/202/523)
Grade Level: 10
Credit: English Language Arts 1.0
Prerequisite: Teacher Recommendation
This course provides an alternate means to achieve an English Language Arts 10 credit. The curriculum is a modified version of English Language Arts 10. Students work to improve basic reading and writing skills. Emphasis is placed on oral reading, fluency, decoding, comprehension, vocabulary development, and writing skills. Students will strengthen their ability to write clear claims, using valid reasoning and sufficient evidence in their writing, as well as write explanatory texts to examine complex ideas and concepts. Both collaboratively and individually, students will apply knowledge of language to understand how language functions in different contexts and to make effective choices for meaning and style. Students work toward meeting standard on the Common Core 9-10 grade-specific standards.

English Language Arts 11 (EN9 301/302/533)
Grade Level: 11
Credit: English Language Arts 1.0
Prerequisite: Teacher Recommendation
This course provides an alternate means to achieve English Language Arts 11 credit. The curriculum is a modified version of English Language Arts 11. Students work to improve basic reading and writing skills. Emphasis is placed on oral reading, fluency, decoding, comprehension, vocabulary development, and writing skills. Students will write synthesized arguments, using multiple sources to write more sophisticated claims, use more complex logical structures, and varied evidence. They will conduct short and sustained research, developing a capacity to evaluate sources and analyze
2022-2023 Course Offerings
Special Services
more substantive topics. Students work toward meeting standards on the Common Core 11-12 grade-specific standards.

English Language Arts 12 (EN9 401/402/543)
Grade Level: 12
Credit: English Language Arts 1.0
Prerequisite: Teacher Recommendation
This course provides an alternate means to achieve English Language Arts 12 credit and is taken in place of English Language Arts 12. The curriculum is a modified version of Communication Arts 12. Students work to improve basic reading and writing skills. Emphasis is placed on oral reading, fluency, decoding, comprehension, vocabulary development, and writing skills. Students will read works of exceptional craft and thought that serve as models for students’ own thinking and writing with greater independence and flexibility. They will demonstrate their ability to examine seventeenth, eighteenth and nineteenth-century foundational documents of historical and literary significance, including how two or more texts from the same period treat similar themes or topics. Students will contribute meaningfully to a variety of collaborative structures, developing adaptability in various situations. Students will write routinely over short and extended time frames for a range of increasingly complex writing tasks, purposes, and audiences, and will be required to gather relevant evidence from multiple authoritative sources. An extended research paper is required. Students work toward meeting standards on the Common Core 11-12 grade-specific standards. There is also a focus on improving self-advocacy and self-exploration skills.

Mathematics Support Courses

Algebra Readiness (SPM 097/098/099)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Mathematics 0.5
Prerequisite: Teacher Recommendation
This course provides an alternative means to achieve a math credit. The curriculum is a modified version of the appropriate math course. This is an individually planned math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include skills that will prepare students for Algebra.

Pre-Vocational Math 1 (SPM 103/104/515)
Grade Level: 9, 10, 11, 12 repeatable
2022-2023 Course Offerings
Special Services

Credit: Mathematics 1.0
Prerequisite: Teacher Recommendation
This course represents the constraints in a modeling problem using a linear equation, linear inequality, system of linear equations or a system of linear inequalities and evaluates the reasonableness of the solutions. This course emphasizes the concepts of list skills based on each student’s Individualized Educational Plan (IEP). Topics include: represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context. For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.

Support Math 1 (SPM 101/102/523)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Mathematics 1.0
Prerequisite: Teacher Recommendation
This course provides an alternative means to achieve a math credit. This is an individually planned math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include: multiply a whole number of up to four digits by a one-digit whole number and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Support Math 2 (SPM 201/202/525)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Mathematics 1.0
Prerequisite: Teacher Recommendation
This course provides an alternative means to achieve a math credit. This is an individually planned math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include: fluently multiplying multi-digit whole numbers using the standard algorithm.

Support Math 3 (SPM 203/204/527)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Mathematics 1.0
Prerequisite: Teacher Recommendation
This course provides an alternative means to achieve a math credit. The curriculum is a modified version of the appropriate math course. This is an individually planned
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math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include: solve real-world and mathematical problems by writing and solving equations of the form \( x + p = q \) and \( px = q \) for cases in which \( p, q, \) and \( x \) are all nonnegative rational numbers.

Support Math 4 (SPM 205/206/529)

*Grade Level: 9, 10, 11, 12 repeatable*
*Credıt: Mathematics 1.0*
*Prerequisite: Teacher Recommendation*

This course provides an alternative means to achieve a math credit. The curriculum is a modified version of the appropriate math course. This is an individually planned math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include: solve word problems leading to equations of the form \( px + q = r \) and \( p(x + q) = r \), where \( p, q, \) and \( r \) are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. For example, the perimeter of a rectangle is 54 cm. Its length is 6 cm. What is its width?

Support Math 5 (SPM 207/208/531)

*Grade Level: 9, 10, 11, 12 repeatable*
*Credıt: Mathematics 1.0*
*Prerequisite: Teacher Recommendation*

This course provides an alternative means to achieve a math credit. The curriculum is a modified version of the appropriate math course. This is an individually planned math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include: give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form \( x = a \), \( a = a \), or \( a = b \) results (where \( a \) and \( b \) are different numbers).

Support Math 6 (SPM 209/210/533)

*Grade Level: 9, 10, 11, 12 repeatable*
*Credıt: Mathematics 1.0*
*Prerequisite: Teacher Recommendation*

This course provides an alternative means to achieve a math credit. The curriculum is a modified version of the appropriate math course. This is an individually planned
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math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual math goals and objectives on his/her IEP. Topics include: prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions.

Financial Fitness (SPM 301/302/503)
Grade Level: 12
Credit: Mathematics 1.0
Prerequisite: Teacher Recommendation
This course provides an alternative means to achieve a math credit. This is an individually planned math class, which teaches a range of math skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student's annual math goals on his/her IEP. Topics include preparation for individuals to plan, manage and analyze finances; financial responsibility and decision-making; income; planning and money management; saving and investing; buying goods and services; banking and financial institutions; credit and debt; and risk management and insurance.

Additional Support Courses – Limited Access

Supported Washington State History (SS9 101/102)
Grade Level: 9, 10, 11, 12
Credit: Social Studies 1.0
Prerequisite: Teacher Recommendation
This course provides an alternate means to achieve a Washington State History credit and is taken in place of Washington State History. The curriculum is modified. Topics include the region’s geography, exploration, native populations, fur trade, settlement, Indian wars, statehood, economics, and Government.

Supported World Studies (SS9 201/202)
Grade Level: 10, 11, 12
Credit: Social Studies 1.0
Prerequisite: Teacher Recommendation
This course provides an alternate means to achieve a World Studies credit. The curriculum is modified. World Studies is a combination of the study of world history and current world issues. The study of world history centers on investigating the events of the past and their effect on the events today: i.e., ancient India, ancient China, rise of Islam, Europe since the Renaissance and Africa and Latin America from
the 19th century. The investigation of current world issues is dictated by events and issues that dominate world discourse: i.e. regional and world conflicts, environmental problems, world economy, human rights, populations, etc. Upon completion of this course, students will have an understanding of the historical background and possible resolution of current major issues. Students learn the histories of Europe, Africa, and Asia.

### Supported US History (SS9 203/204)

**Grade Level:** 9, 10, 11, 12  
**Credit:** Social Studies 1.0  
**Prerequisite:** Teacher Recommendation

This course provides an alternate means to achieve a U.S. History credit and is taken in place of US History. The curriculum is modified. Students will examine the basic features of United State History during the 1877 to the present. Topics covered will be industrialization, immigration, reform, World War I, the twenties, depression and the New Deal, World War II, civil rights, the Vietnam War and contemporary times.

### Supported Civics (SS9 401/402)

**Grade Level:** 10, 11, 12  
**Credit:** Social Studies 0.5  
**Prerequisite:** Teacher Recommendation

This course provides an alternate means to achieve an American Government credit. The curriculum is a modified version of the American Government. This course is designed to give students a foundation in local, state, and federal political systems that include, but are not limited to, fundamentals of the United States Constitution; political processes and the separate functions of executive, legislative, and judicial branches of government; political culture; party systems; Interest groups; bureaucracies; Institutions (military, etc.); civil society; media roles; public policy (civil liberties, rights). Emphasis will be on the study of local government and factors influencing public policy making in the United States and selective nations in the world.

### Supported Health and Fitness (HE9 101/102/505)

**Grade Level:** 9, 10, 11, 12  
**Credit:** Health and Fitness 1.0  
**Prerequisite:** Teacher Recommendation

This course provides an alternate means to achieve a Health and Fitness credit and is taken in place of Health and Fitness. The curriculum is modified. Students will
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learn the importance of total health/wellness by studying the mental, physical, and social aspects of healthy lifestyles. Topics include the nervous system, alcohol, and drug abuse, nutrition, hygiene, eating disorders, fitness, and stress management.

Social Skills (SK9 109/110)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Elective 0.5
Prerequisite: Teacher Recommendation
This course provides a means to achieve elective credit. This is an individually planned class, which teaches a range of social/behavioral skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual IEP goals. Topics include friendship skills, leisure skills, following verbal/visual directions, being a part of a group, and exploring and interacting with their surroundings.

Social/Behavior Skills (SB9 203/204)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Elective 1.0
Prerequisite: Teacher Recommendation
Students will study relationships, values, goals, decisions and stress management. Students will reflect on self-esteem, personality, attitude, managing stress, communication (being successful in a relationship, dealing with conflict), crisis (chemical dependency, verbal and physical aggression).

Transition Program Courses

Supported Career Explorations (VO9 201/202)
Grade Level: 10, 11, 12 repeatable
Credit: Occupational 0.5
Prerequisite: Teacher Recommendation
This course provides a means to achieve elective credit. This is an individually planned class, which teaches a range of skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual IEP goals. This course provides students with the opportunity to explore career interests and ideas. Students gain an understanding of how their skills, aptitudes, and personal traits prepare them for future careers. Topics include workplace skills, employer expectations, writing a resume, filling out an application and communication skills.

Supported Pre-Vocational Skills (PV9 105/106)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Occupational 0.5
Prerequisite: Teacher Recommendation
This course provides a means to achieve elective credit. This is an individually planned class, which teaches a range of Pre-vocational skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual IEP goals. Topics include sorting, matching, sustained attention, completion and following verbal or visual instructions and schedules.

Supported Vocational Skills (VO9 107/108)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Occupational 0.5
Prerequisite: Teacher Recommendation

This course provides a means to achieve elective credit. This is an individually planned class, which teaches a range of vocational skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual IEP goals. Expectations include the consistent and successful application of vocational skills such as sustained attention, task completion and following instructions and schedules when given in multiple venues.

Supported Community Living (VO9 203/204)
Grade Level: 10, 11, 12 repeatable
Credit: Occupational 0.5
Prerequisite: Teacher Recommendation

This course provides a means to achieve elective credit. This is an individually planned class, which teaches a range of community living skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual IEP goals. Topics include: applying for jobs, using various media to access information, using public transportation, planning a budget and planning meals.

Supported Transition Services (VO9 209/210)
Grade Level: 10, 11, 12 repeatable
Credit: Occupational / Elective 0.5
Prerequisite: Teacher Recommendation

This course provides a means to achieve elective credit. This is an individually planned class, which teaches a range of transition skills dependent upon each student’s ability level, which provides specially designed instruction, based on the student’s annual IEP goals. Topics include financial planning (budgeting, checking/debit, loans and credit skills), career exploration, personal relationships, purchasing a vehicle, insurance, nutrition and food preparation, clothing care and
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repair, renting an apartment, options for living on your own and exploration of leisure skills.

**EL Course Descriptions**

*Prerequisite to enrolling in EL courses: Limited English proficiency determined by state language assessment and teacher recommendation.*

**English Language Development (ENG 0E1/0E2/0E3)**
*Grade level: 9, 10, 11, and 12 repeatable*
*Credit: Elective 0.5*
*Prerequisite: MLE Teacher Recommendation*

English Language Development is a year-long course designed to aid students in learning to improve their listening, speaking, reading, and writing in English, according to the Washington ELD Standards. This is a block course that will be paired with an M-ELA course allowing students strategic competence in processing academic language that will facilitate their ability to access content area concepts and ideas. Teachers will use Springboard with Language Supports aligned to BSD ELA Framework.

**Multilingual ELA (ENG 0E1/0E2/0E3)**
*Grade level: 9, 10, 11, and 12*
*Credit: ELA 0.5*
*Prerequisite: MLE Teacher Recommendation*

This year-long course focuses on integrating reading, writing, speaking and listening, and use of language, based on the English Language Proficiency Standards and Common Core English Language Arts Standards 9-12. Students will examine a variety of literary and informational texts and authors. Reading instruction will allow students to cite textual evidence and determine main ideas and themes. Students will expand writing skills through practice of informative, explanatory, and argumentative texts, and will enhance their skills in organization and style while developing their language proficiency. Students will participate in a range of collaborative discussions, building on others’ ideas and clearly expressing their own. MLE Teachers will use BSD ELA Framework and approved SpringBoard curriculum to facilitate the transition of students to core classrooms as they work toward language proficiency.

**EL Academic Support ELA (ELL 101/102/103)**
*Grade Level: 9, 10, 11, and 12 repeatable*
*Credit: Elective 0.5*
*Prerequisite: MLE Teacher Recommendation*

EL Academic Support is a course of study based on the English Language Proficiency Standards 9-12. This course is designed for English Learners who need additional practice in reading and writing to include additional academic vocabulary development. Students will plan, draft, and revise written compositions in a variety of
forms such as expository, persuasive, and analytical text. Students will read multiple text types focusing on moving toward grade-level reading complexity. Emphasis will be placed on transition skills to ensure success in core subjects.

**EL Academic Support Math (MTE 101/102/103)**

*Grade Level: 9, 10, 11, and 12 repeatable*

*Credit: Math Elective 0.5*

*Prerequisite: MLE Teacher Recommendation*

Students work on academic language development and foundational math skills to prepare them for Algebra and Geometry by covering a variety of topics to include number theory, ratio, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formula, and solving first-degree equations and inequalities, work with plane and solid figures methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and rules of angle measurement in triangles. EL Extended Math guides students through concepts defined by Washington State Mathematics Standards and corresponds to the English Language Proficiency Standards for grades 9-12.
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Student Assistants

A maximum of one (1) credit will be allowed during the four years of high school.

Grade Level: 11, 12 repeatable for two trimesters only

Credit: Elective 0.5

Prerequisite: Application and approval

CTE: WORK-BASED LEARNING — CTW207/208/501

Computer Technology Assistants: Students will provide technology support. Students will work with and take direction from the building technology support team including the technology Teachers on Special Assignment (TOSAs), building technicians and building administrative staff.

OTHER STUDENT ASSISTANT OPPORTUNITIES:

Peer Tutor Assistants: SAP101/102
Students are assigned to a variety of academic tasks. Duties include working with special education students in the resource and regular classrooms. These assistants will assist in note taking, reading and working with a team of people to support students.

Teacher Assistants: SAT101/102/503
Students work in the classroom. Duties include helping teachers to prepare materials and displays, photocopy, record data, tutor occasionally and set up audiovisual equipment.

Custodial Assistants: SAJ101/102
Students are assigned to various places in the building. Duties include moving tables and chairs, maintenance, sweeping, vacuuming, general cleaning and emptying trash.

Library Assistants: SAL101/102/503
Students work in the Library. Duties include re-shelving books, processing materials, maintaining displays, delivering materials to classrooms, working at the checkout counter and cleaning tables.
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All courses listed in this catalog under Dance, Music, Theatre, and Visual Arts count toward fulfilling the 1.0 credit fine arts graduation requirement. Cross-credited courses in various departments also apply towards fulfilling this requirement.

Music

Concert Choir (MUS 155/156/557)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition and director approval
This advanced-level group is a large mixed voice ensemble for experienced vocalists. The development of vocal skills and musical concepts is achieved primarily through the study and performance of varied literature. Increasing importance is placed upon exploration of advanced performance opportunities, along with continued work in music theory, foreign language, sight singing, and part independence. Our “flagship” ensemble is active at school performances, community, and district/regional music festivals and competitions.

Vocal Ensemble (MUS 168/169/170)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition and director approval, as well as enrollment in another choir
This smaller and advanced level mixed ensemble is designed for experienced vocalists. Students will explore and perform choral music of various styles that require a smaller more select ensemble. Students must be able to demonstrate with competence skills in sight-reading, pitch, tone, foreign languages, and part independence. This ensemble is active at school performances, various community, regional/state festivals and competitions. See individual school group requirements.

Bass Choir (MUS 205/206/507)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Students will learn to sing a variety of choral literature and styles, correct breathing and choral techniques including diction, blend, balance, phrasing, intonation, articulation, and tone quality. Special emphasis is put on the development of sight singing skills necessary for future placement into advanced choral groups.

Treble Choir (MUS 207/208/509)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Students will learn to sing a variety of choral literature and styles, correct breathing and
Select Treble Choir (MUS 162/163/564)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition with director
This advanced treble ensemble is designed for experienced sopranos and altos. The development of vocal skills and musical concepts is achieved through the study and performance of varied literature. The importance of advanced musicianship is studied, along with continued work on music theory and sight singing skills. This ensemble is active at school performances and may participate in music festivals and competitions.

Concert Orchestra (MUS 111/112/513)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Prior orchestra experience and/or approval of the orchestra director.
Students may be asked to audition.
Students with playing experience on violin, viola, cello, or bass will learn about the elements of music through a wide variety of orchestral and chamber music. Students will build on the musicianship and technique learned in prior orchestral training through appropriate literature, and develop playing skills using vibrato, advanced rhythms, and bowings. The orchestra will perform several concerts throughout the year. Home practice is expected. Students will be required to attend periodic rehearsals and performances outside of the school day.

Sinfonietta (MUS 180/181/182)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Prior orchestra experience at the middle school or high school level. Students may be asked to audition.
Students will continue individual technique and musical development through preparation and performance of a varied repertoire of music. Topics of study include continued development of individual tone, rhythmic skill, musicality, balance, group tone, and music theory. Home practice is expected. Attendance is required at all concert performances, assemblies, and community engagements.

Chamber Orchestra (MUS 211/212/523)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition and director approval
This is a mastery-level course designed for students with advanced skills in string performance. Members of this ensemble will be actively involved in a variety of
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performances including solo work, chamber and full orchestral settings, formal concerts, and community events. They will achieve mastery over the concepts and skills of tone production, group and individual intonation, rhythm, balance, blend, dynamics, articulation, and elements of stylistically appropriate expression. Repertoire will be selected from the most advanced music for string and full orchestra. Home practice is expected. Students will be required to attend periodic rehearsals and performances outside of the school day.

Concert Band (MUS 151/152/553)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Prior band experience at the middle school level
Concert Band is a course specifically designed to meet the needs of experienced band members. Students will concentrate on techniques development and musical literacy. The development of musical listening and rehearsal skills will be stressed. Topics of study include development of individual tone, rhythmic skill, and musicality. Topics for group study include rehearsal skills, balance, group tone, musicality, and music theory. Home practice is expected. Attendance is required at all concert performances and designated pep band performances.

Symphonic Band (MUS 153/154/555)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Prior band experience at the middle school or high school level
Students will continue individual technique and musical development through preparation and performance of a varied repertoire of music. Topics of study include continued development of individual tone, rhythmic skill, musicality, balance, group tone, and music theory. Home practice is expected. Attendance is required at all concert performances and designated pep band performances.

Wind Ensemble (MUS 157/158/559)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition and director approval
Students will be exposed to a broad range of band repertoire, styles, and performance settings. Individual technique and musical development will be stressed. Continued focus on group tone, musicality, and balance will be a focus of rehearsal. Topics of study also include music theory and listening. Home practice is expected. Attendance is required at all concerts and designated pep band performances.

Jazz Ensemble (MUS 160/161/562)

Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition and director approval. Concurrent enrollment in one of the concert bands is required. This course is an extension of the larger ensemble experience. Students will
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study and perform a variety of swing music styles and its derivatives, reflecting the traditional “Big Band” instrumentation (saxophone, trumpet, trombone, and rhythm section). Through listening to recordings, critiquing, analyzing, discussion, and application, students will learn a variety of jazz styles found within this genre. Students will understand the history of jazz and be able to associate specific musicians to distinct types of jazz. A strong focus of this class will be the development of improvisation skills. As a performance class, attendance is required at all rehearsals, sectionals, and performances. Home practice is expected.

Percussion Ensemble (MUS 165/166/567)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 1.0
Prerequisite: Audition and director approval. Previous experience preferred.
Percussionists in the band program will participate in a percussion ensemble. Students will be exposed to a broad range of repertoire, styles, and performance settings, focusing on intermediate and advanced snare drum skills, as well as technique development on all other percussion instruments including but not limited to keyboard percussion, timpani, and Latin percussion. Individual technique and musical development will be stressed. Students will learn the concepts of rhythm, texture, balance, blend, and rudiments as they develop their role as an ensemble member and become proficient on battery and mallet instruments. Percussion sections will be selected from this ensemble to perform with the various bands. Home practice is expected. Attendance is required at all performances.

Beginning Guitar (MUS 171)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5
Students will learn to communicate musically by becoming proficient guitarists, acquiring the basic elements of music reading, theory, and playing technique. Students will play in small groups, with the class as a whole, and as a soloist. They will learn to play melodies and chords, receiving whole class and individual instruction within the class. Students are expected to work independently at their own pace, as well as cooperatively with small groups and with the class as a whole. Completion of the course will give players the basic skills to become life-long musicians.

Advanced Guitar (MUS 251)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Completion of Beginning Guitar or equivalent basic formal training (ability to read all natural notes in first position, play basic chords, and demonstrate basic technical fluency)
Students will increase reading skills, chord vocabulary, technical facility, and will apply basic theoretical concepts to the guitar fingerboard, such as playing and spelling scales and triads. Students will have the opportunity to play and perform music in a variety of styles, including Classical, Jazz, and Popular. Students will work individually at their own pace as well as cooperatively with small groups and the entire class. Completion of the course will give
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players skills enabling them to succeed in a variety of musical situations and to appreciate various styles of music.

Musical Performance (MUS 175/176/577)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
This course emphasizes basic techniques of musical performance including concentration exercises, musical theatre games, improvisation, monologue development, and the fundamentals of preparing a musical scene. Students will engage in creative musical performance exercises to develop imagination, observation, and concentration; conditioning their bodies and voices to be flexible, coordinated, and expressive. Performances are a part of this course.

Musical Performance - Advanced (MUS 475)
Grade Level: 9, 10, 11, 12 repeatable
Prerequisite: Completion of Musical Performance
Credit: Fine Arts or Elective 0.5
This course is designed for the student who wishes to expand his/her techniques of musical performance. The focus will be on concentration, observation, sensory skills, movement, voice, and characterization through activities such as musical theatre games, improvisation, monologue development, and the fundamentals of preparing a musical scene and performance. Students will participate in musical performances in front of an audience.

Music Theory (MUS 201/202)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5
Students will learn the basic structures of music in this course. Musical notation, chord construction, melody and harmony lines will be studied as students focus on the aural and visual understanding of musical structure and composition.

Advanced Placement Music Theory (MUS 461/462/563)
Grade Level: 10, 11, 12
Credit: Fine Arts or Elective 1.5
This course is a rigorous, college level course and requires higher levels of thinking and workload. This course is designed to prepare students for a possible major in music at the college level. Students learn the basics of tonal harmony, including chord construction, 4-part voice writing, harmonic analysis, and harmonic sequence. Students will also study ear training, sight singing, melodic, rhythmic, and harmonic dictation, 20th century techniques and form/structure. Completion of the Advanced Placement Exam is required.

Composing & Arranging Music Composition (MUS 203)
Grade Level: 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Membership in high school instrumental or vocal ensemble OR demonstration
Performing Arts and Visual Arts

Students with basic knowledge and skills in music theory will build on those abilities and apply them in composing and arranging music. Projects will involve a variety of assigned and chosen forms, orchestration and styles. Students will learn and use MIDI software to aid in the creative, editing, arranging and publishing processes.

**Theatre**

Theatre (ART 111)
*Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5*
This course emphasizes basic acting techniques of the theatre including concentration exercises, theatre games, improvisation, pantomime, storytelling, character development, and the fundamentals of preparing a scene. Students will engage in creative theatre exercises to develop imagination, observation, and concentration; conditioning their bodies and voices to be flexible, coordinated, and expressive. Performances are a part of this course.

Advanced Theatre (ART 161)
*Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Completion of Theatre*
This course is designed for the student who wishes to expand his/her acting skills and expertise. The student studies concentration, observation, sensory skills, movement, voice and articulation, and characterization through such activities as oral interpretation, reader’s theatre, radio plays, children’s plays and one-act plays. The student also is expected to perform pantomime, monologues, and scenes; to read and analyze plays; and to perform a final acting scene.

Improvisational Theatre (ART 207)
*Grade Level: 9,10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Completion of Theatre*
Students in improvisational theatre class will focus on both short form and long form theatre improvisations. Both forms include the processes of co-creation of scenes using spoken works and actions, while identifying character relationships, objectives, and setting. Each performer must act according to the objectives they believe their character seeks. Long form improvisation will include units from classroom-based performance arts assessments established by OSPI.

Theatre Design and Stagecraft - Introduction (ART 113)
*Grade Level: 9, 10, 11, 12 repeatable*
Performing Arts and Visual Arts

Credit: Occupational or Fine Arts or Elective 0.5
This is a one-semester course designed to familiarize students with the basic areas of technical theatre. They will learn about set design, set construction, scene painting, light design, and production technologies. This course will include theory and hands-on experiences.

Theatre Design & Stagecraft - Advanced (ART 361)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Occupational or Fine Arts or Elective 0.5
Prerequisite: Successful completion of Theater Design and Stagecraft 1
Students continuing in theatre production will take a leadership role in all aspects of supporting school productions. Students will be responsible for building sets and properties, operating lighting and sound systems, and running a theatre production.

Visual Arts
Art Survey (ART 101)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5 - Fees may apply
Students will explore a variety of tools, techniques, and media while applying the elements and principles of the visual arts. Studio activities will focus on drawing, printmaking, painting, and sculpture. Through the art that students produce, they will develop reflective and art criticism skills. Historical styles and artists will be studied in conjunction with current careers in art.

Drawing, Painting, and Cartooning (ART 155)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5 — Fees may apply.
Prerequisite: Art Survey
Students will explore more advanced realistic drawing techniques, applying their developing skills to cartooning. Using the elements and principles of the visual arts, students will explore painting techniques in a historical context as they develop their own style.

Drawing (ART 115)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5 - Fees may apply
Prerequisite: Art Survey or teacher approval.
This is an art studio orientation course using the elements and principles of art. Students will study contour, gesture, negative space, sighting perspective, and proportion. Subjects include but are not limited to: still life, landscape, fantasy, illustration, objects from everyday life, and ideas from students’ own experiences. Students are encouraged to display their work.
Advanced Drawing (ART 165)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5 — Fees may apply.
Prerequisite: Drawing
Students continue to refine their drawing skills through the use of a variety of media, techniques, subjects, and styles. Development of a personal style, aesthetic, and artistic vision is encouraged through class discussion and critiques.

Painting (ART 201)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5 — Fees may apply.
Prerequisite: Drawing
Students are offered a wide variety of painting experiences emphasizing composition and color study. Experiences include pastels, watercolors, acrylics, and oils. Development of a personal style and sense of aesthetics is encouraged. The course includes the study of the elements and principles of art.

Advanced Painting (ART 267)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5 — Fees may apply.
Prerequisite: Drawing or Painting
Students are offered a wide variety of painting experiences, emphasizing composition and color study. Students will use media such as tempera, watercolor and acrylic. Development of a personal style, aesthetic, and artistic vision is encouraged through class discussion and critiques with emphasis on the elements and principles of art.

Ceramics/Pottery (ART 151)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5 - Fees may apply
As students produce pottery through hand-building and wheel experiences, they are introduced to a variety of building techniques and decorative styles. Development of a personal style in the fine and functional arts is encouraged. The importance of pottery in historical cultures is studied. The course includes the study of the elements and principles of art.

Advanced Ceramics/Pottery (ART 263)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5 - Fees may apply
Prerequisite: Ceramics and/or portfolio review. Drawing is recommended.
After mastering the basic skills in ceramics, students have an opportunity to further develop
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their understanding of clay as a medium for artistic expression. Hand-building techniques and use of the pottery wheel are explored in depth with emphasis on the elements and principles of art.

Sculpture (ART 153)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5 - Fees may apply
Prerequisite: Drawing
Students will explore three-dimensional formats using additive and subtractive techniques. Clay, metal, fabric, cellu-clay, paper-maché, found objects, wax, and casting mediums may be included. The elements and principles of the visual arts will be used as they apply to three-dimensional work. The historical and cultural importance of sculpture will be studied.

Advanced Sculpture (ART 163)
Grade Level: 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5 — Fees may apply.
Prerequisite: Sculpture
Students will continue to develop and refine their three-dimensional skills. Development of a personal style, aesthetic, and artistic vision is encouraged through class discussion and critiques. This course includes the study of the elements and principles of art.

Advanced Placement Studio Art
These courses are rigorous, college level courses and require higher levels of thinking and workload. Advanced Placement provides the high school student with the opportunity to receive university credit by submitting a portfolio to the AP College Board. Students must be responsible and able to work independently on a contract basis. Students must declare a focus in Drawing, 2-D Design or 3-D Design, as well as a concentration within their area of focus. To assist the student in the successful completion of a portfolio, development of a personal style, aesthetic and artistic vision is encouraged through class discussion and critiques. Weekly individual critiques and a culminating student show are required. Completion of the Advanced Placement Exam is required. The Advanced Placement Studio Art classes are:

Advanced Placement Studio Art – Drawing (ART 461/462/563)
Grade Level: 10, 11, 12 repeatable
Credit: Occupational, Fine Arts or Elective 1.5 — Fees may apply.
Prerequisite: Advanced Studio Art is recommended. There is an application process for this class
Explore drawing issues including line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making through a variety of means, such as painting, printmaking or mixed media. Develop technical skills and familiarize yourself with the functions of visual elements as you create an individual portfolio of work for evaluation at the end of the course.

Advanced Placement Studio Art – 2D Design (ART 462/464/565 or CTA
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461/462/563)
Grade Level: 10, 11, 12 repeatable
Credit: Occupational, Fine Arts or Elective 1.5 — Fees may apply.
Prerequisite: Advanced Studio Art is recommended. There is an application process for this class
Learn to use 2-D design principles to organize an image on a picture plane in order to communicate content. Demonstrate mastery through any two-dimensional medium or process, such as graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. Develop technical skills and familiarize yourself with the functions of visual elements as you create an individual portfolio of work for evaluation at the end of the course.

Advanced Placement Studio Art – 3D Design (ART 465/466/568)
Grade Level: 10, 11, 12 repeatable
Credit: Occupational, Fine Arts or Elective 1.5 — Fees may apply.
Prerequisite: Advanced Studio Art is recommended. There is an application process for this class
Demonstrate mastery through any three-dimensional approach, such as figurative or non-figurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts. Develop technical skills and familiarize yourself with the functions of visual elements as you create an individual portfolio of work for evaluation at the end of the course.

The Visual Arts courses listed below are offered through the Career and Technical Education Department.

Digital Photography 1 (CTA 201)
Grade Level: 9-12
Credit: Occupational, Fine Art, or Elective 0.5

Digital Photography 2 (CTA 255)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Occupational, Fine Art, or Elective 0.5 - Fees may apply
Prerequisite: Successful completion of Digital Photography 1

Graphic Design (CTA 253)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Occupational or Fine Arts or Elective 0.5

Advanced Placement Studio Art 2D Design (CTA 461/462/563)
Grade Level: 11, 12 repeatable
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Credit: Occupational/CTE, Fine Arts or Elective 1.0
Prerequisite: There is an application process for this course.

Metals/Jewelry & Design 1 (CTA 251)
Fees may apply
Grade Level: 9, 10, 11, 12
Credit: Occupational or Fine Arts or Elective 0.5

Metals/Jewelry & Design 2 (CTA 261)
Fees may apply
Grade Level: 9, 10, 11, 12 Repeatable
Credit: Occupational or Fine Arts or Elective 0.5
Prerequisite: Successful completion of Metals/Jewelry Design 1

Video Productions 1 (CTT 103)
Grade Level: 9, 10, 11, 12
Credit: Occupational, Fine Art or Elective 0.5

Video Productions 2 (CTT 163) Grade Level: 9, 10, 11, 12 (repeatable) Credit: Occupational, Fine Art or Elective 0.5
Prerequisite: Successful Completion of Video Productions 1 or instructor permission.
### American Sign Language

#### American Sign Language 1A & 1B (CTW 201/202)

*Grade Level: 9, 10, 11, 12*

*Credit: Elective 1.0; World Languages; Occupational/CTE 1.0 - NCAA approved College Credit may be available; see note at beginning of Career/Technical Education Section*

American Sign Language I is a beginning course in American Sign Language, introducing students to the language and culture of the Deaf. The course will provide insights into Deaf cultural values, Deaf attitudes, historical aspects of the language and the Deaf community. Two years of ASL satisfies the world language requirement for Washington colleges and universities; college credit can be earned while taking this course in high school.

#### American Sign Language 2A & 2B (CTW 203/204)

*Grade Level: 10, 11, 12*

*Credit: Elective 1.0; World Languages; Occupational/CTE 1.0 - NCAA approved College Credit may be available; see note at beginning of Career/Technical Education Section*

*Prerequisite: Successful completion of Sign Language 1 with a grade of “C” or better.*

American Sign Language II is a continuation of ASL I with greater emphasis on ASL grammar and concentrated effort to develop the student’s expressive and receptive skills. Students will study appropriate language, grammar, cultural behaviors, and social relations. Two years of ASL satisfies the world language requirement for Washington colleges and universities; college credit can be earned while taking the course in high school.

#### American Sign Language 3A & 3B (CTW 205/206)

*Grade Level: 10, 11, 12*

*Credit: Elective 1.0; World Languages; Occupational/CTE 1.0 - NCAA approved College Credit may be available; see note at beginning of Career/Technical Education Section*

*Prerequisite: Successful completion of Sign Language 2 with a grade of “C” or better.*

American Sign Language III is a more in-depth study of American Sign Language and Deaf culture and provides further cultural and grammatical understanding and interpreting skills. Greater attention is given to sign inflection, production and
idiomatic conventions through meaningful conversation and context. College credit can be earned while taking the course in high school.

French

French 1st Year A & B (WLF 101/102)
*Grade Level: 9, 10, 11, 12*
*Credit: Elective 1.0 NCAA approved*
In this beginning level class, students are introduced to French language and francophone cultures. Through practice in listening, speaking, reading, and writing, students can attain basic communication skills, appreciation for French speaking cultures, and an understanding of the connections between the French and English languages. Students may participate in song, dance, and food from French culture.

French 2nd Year A & B (WLF 251/252)
*Grade Level: 9, 10, 11, 12*
*Credit: Elective 1.0 NCAA approved*
*Prerequisite: French 1st Year with a grade of “C-” or better.*
Students will continue to develop skills introduced in French 1st year. Students will acquire more vocabulary and use more complex grammatical structures with the goal of more functional communication abilities. Students may participate in song, dance, and food from the French culture.

French 3rd Year A & B (WLF 351/352)
*Grade Level: 10, 11, 12*
*Credit: Elective 1.0 NCAA approved*
*Prerequisite: French 2nd Year with a grade of “C-” or better*
In this class, students will continue to improve skills, acquire more vocabulary, and use more complex grammatical structures. In addition, more emphasis is placed on literature, creative projects and improving real life fluency for careers, travel, and personal development and expression. Students may participate in song, dance, and food from French culture.

French 4th Year A & B (WLF 451/452)
*Grade Level: 11, 12*
*Credit: Elective 1.0 NCAA approved*
*Prerequisite: French 3rd Year with a grade of “C-” or better*
For the motivated language student, this class offers more opportunities for study of literature, creative projects, and improving real life fluency for careers, travel, personal development, and expression. Students may participate in song, dance, and food from French culture.
**German**

**German 1st Year A & B (WLG 101/102)**
*Grade Level:  9, 10, 11, 12*
*Credit:   Elective 1.0  NCAA approved*
In this beginning level class, students are introduced to German language and cultures. Through practice in listening, speaking, reading, and writing, students can attain basic communication skills, appreciation for German speaking cultures, and an understanding of the connections between the German and English languages. Students may participate in song, dance, and food from German culture.

**German 2nd Year A & B (WLG 251/252)**
*Grade Level: 9, 10, 11, 12*
*Credit:   Elective 1.0  NCAA approved*
*Prerequisite:  German 1st Year with a grade of “C-” or better*
Students will continue to develop skills introduced in German 1st year. Students will acquire more vocabulary and use more complex grammatical structures with the goal of more functional communication abilities. Students may participate in song, dance, and food from German culture.

**German 3rd Year A & B (WLG 351/352)**
*Grade Level: 10, 11, 12*
*Credit:   Elective 1.0  NCAA approved*
*Prerequisite:  German 2nd Year with a grade of “C-” or better*
In this class, students continue to improve skills, acquire more vocabulary, and use more complex grammatical structures. In addition, more emphasis is placed on literature, creative projects and improving real life fluency for careers, travel, and personal development and expression. Students may participate in song, dance, and food from German culture.

**German 4th Year  A & B (WLG 451/452)**
*Grade Level: 11, 12*
*Credit:   Elective 1.0  NCAA approved*
*Prerequisite:  German 3rd Year with a grade of “C-” or better*
For the motivated language student, this class offers more opportunities for study of literature, creative projects, and improving real life fluency for careers, travel, personal development, and expression. Students may participate in song, dance, and food from German culture.
Japanese

Japanese 1st Year A & B (WLJ 201/202)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0  NCAA approved
Students are introduced to Japanese culture and language. Reading, writing, speaking, and listening will be emphasized. Students will learn Japanese alphabets--hiragana, katakana, and kanji.

Japanese 2nd Year A & B (WLJ 251/352)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0  NCAA approved
Prerequisite: Japanese 1st Year with a grade of “C-” or better
Students will continue to increase their vocabulary and improve their skills in speaking, listening, reading, and writing. Students will continue with individual projects and cultural experiences. Students will learn more complicated kanji, and sentences.

Japanese 3rd Year A & B (WLJ 451/452)
Grade Level: 10, 11, 12
Credit: Elective 1.0  NCAA approved
Prerequisite: Japanese 2nd Year with a grade of “C-” or better
This course focuses on listening, speaking, and reading Japanese literature, writing, researching, and presenting cultural projects to the class. Students will study the Japanese language to accelerate real life language skills for career, travel and personal development.

Japanese 4th Year A & B (WLJ 461/462)
Grade Level: 11, 12
Credit: Elective 1.0  NCAA approved
Prerequisite: Japanese 3rd Year with a grade of “C-” or better
This course builds on student’s previous knowledge and supports students as they develop the productive, receptive, and cultural skills necessary to communicate with native speakers of Japanese. Students” proficiency levels at the end of the course are expected to reach at least the Intermediate Low to Intermediate Mid range, as described in the American Council on the Teaching of Foreign Languages (ACTFL).
Advanced Placement Japanese Language and Culture A, B, C (WLJ 471/472/473)
Grade Level: 11, 12
Credit: Elective 1.5 NCAA approved
Prerequisite: Japanese 3, 4 with a grade of “C” or better or teacher recommendation

Designed by the College Board to parallel third-year college-level courses in Japanese language, AP Japanese Language and Culture courses build upon prior knowledge and develop students’ ability to express ideas, exchange opinions, and present information in Japanese, both orally and in writing. These courses also help students understand and interpret written and spoken Japanese. In addition, students explore the culture of Japanese-speaking people in historical and contemporary contexts.

Spanish

Spanish 1st Year A & B (WLS 101/102)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0 NCAA approved
In this beginning class, students are introduced to the Spanish language and cultures. Through practice in listening, speaking, reading, and writing, students can attain basic communication skills, appreciation for Spanish speaking cultures, and an understanding of the connections between the Spanish and English languages. Students may participate in song, dance, and food from the Spanish culture.

Spanish 2nd Year A & B (WLS 251/252)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0 NCAA approved
Prerequisite: Spanish 1st Year with a grade of “C-“ or better
Students will continue to develop skills introduced in Spanish 1st year. Students will acquire more vocabulary and use more complex grammatical structures with the goal of more functional communication abilities. Students may participate in song, dance, and food from the Spanish culture.

Spanish 3rd Year A & B (WLS 351/352)
Grade Level: 10, 11, 12
Credit: Elective 1.0 NCAA approved
Prerequisite: Spanish 2nd Year with a grade of “C-“ or better
In this class, students continue to improve skills, acquire more vocabulary, and use more complex grammatical structures. In addition, more emphasis is placed on literature, creative projects and improving real life fluency for careers, travel, and personal development and expression. Students may participate in song, dance, and food from the Spanish culture.
Spanish 4th Year A & B (WLS 451/452)
Grade Level: 11, 12
Credit: Elective 1.0  NCAA approved
Prerequisite: Spanish 3rd Year with a grade of “C-” or better.
For the motivated language student, this class offers more opportunities for study of literature, creative projects, and improving real life fluency for careers, travel, personal development, and expression. Students may participate in song, dance, and food from the Spanish culture.

Spanish for Native Speakers 1 A & B (WLS 105/106)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0  NCAA approval has been requested.
Prerequisite: Ability to understand and communicate verbally and be able to write simple basic sentences in Spanish. Results of placement test.
Beginning course designed for students who can speak Spanish but wish to improve their reading, writing, speaking and vocabulary skills. This literature-based course includes basic principles of composition grammar, spelling, sentence structure, punctuation accents and paragraph organization. Class conducted in Spanish.

Advanced Placement Spanish Language A, B, C  (WLS 461/462/563)
Grade Level: 11, 12
Credit: Elective 1.5  NCAA approved
Prerequisite: Spanish 3, 4 with a grade of “C” or better or teacher recommendation
This course is a rigorous, college level course and requires higher levels of thinking and work load. This course is designed as a college-level comprehensive course covering the Spanish language. The course will cover the four major skills of speaking, listening, reading, and writing. Much attention is paid to grammatical accuracy and vocabulary development. The course is the equivalent of a third-year university Spanish course. Reading and writing are intensive. Students may participate in song, dance, and food from the Spanish culture. Completion of the Advanced Placement Exam is required.