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/RCW 28A.260 compliance officer** in the Human Resources Department at 253.683.6000
- **Section 504/ADA staff coordinator** at 253.683.6000
- **Section 504/ADA student coordinator** at 253.683.6020.

The address is: 516 176th St. East, Spanaway, WA 98387

### TABLE of CONTENTS

<table>
<thead>
<tr>
<th>Section title: Planning for High School and Beyond</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School Graduation Requirements</td>
</tr>
<tr>
<td>State Testing Requirements</td>
</tr>
<tr>
<td>Pass/Fail Course Options &amp; Waivers</td>
</tr>
<tr>
<td><strong>Fast Start</strong> (high school courses taken in 7th &amp; 8th Grade)</td>
</tr>
<tr>
<td>Running Start</td>
</tr>
<tr>
<td>College in the High School</td>
</tr>
<tr>
<td>Pierce County Skills Center (PCSC)</td>
</tr>
<tr>
<td>Planning Resources</td>
</tr>
</tbody>
</table>

| Section title: Career Pathways                     |

### Section title: Course Descriptions

<table>
<thead>
<tr>
<th>Cambridge (Bethel High School only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Career &amp; Technical Education:</td>
</tr>
<tr>
<td>Arts &amp; Communication</td>
</tr>
<tr>
<td>Business, Marketing, &amp; Info. Tech</td>
</tr>
<tr>
<td>Health &amp; Human Services</td>
</tr>
<tr>
<td>Science &amp; Natural Resources</td>
</tr>
<tr>
<td>STEM</td>
</tr>
<tr>
<td>Work Based Learning</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English Language Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Electives</td>
</tr>
<tr>
<td>Health &amp; Physical Education</td>
</tr>
<tr>
<td>Mathematics</td>
</tr>
<tr>
<td>Science</td>
</tr>
<tr>
<td>Social Studies</td>
</tr>
<tr>
<td>Special Services Program</td>
</tr>
<tr>
<td>Student Assistants</td>
</tr>
<tr>
<td>Visual &amp; Performing Arts</td>
</tr>
<tr>
<td>World Languages</td>
</tr>
</tbody>
</table>
# High School Graduation Credit Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Class of 2020</th>
<th>Class of 2021</th>
<th>Class of 2022</th>
<th>Class of 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Math</strong> (Algebra, Geometry, Adv. Algebra^a)</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>3 (2 from a lab course)</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>3^3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Career &amp; Technical Ed</td>
<td>1.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>0.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>1.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arts</td>
<td>2 (1 can be PPR^4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World Languages</td>
<td>2 (both can be a PPR^4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Electives</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Assessments</td>
<td>Non-credit requirements</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>High School and Beyond Plan</strong></td>
<td>Non-credit requirement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24 credits</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

1. Students repeating their senior year will need to view prior year catalog for specific requirements.

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

3. Any student who transfers from another state having already passed that state’s history, or students who enter from outside the state of Washington 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.

4. 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 at **Personalized Pathway Request**.
## State Testing Requirements

<table>
<thead>
<tr>
<th>Class of</th>
<th>Subject</th>
<th>Students must pass . . .</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 - 2020</td>
<td>ELA</td>
<td>Smarter Balanced ELA (grad cuts)</td>
</tr>
<tr>
<td></td>
<td>Math</td>
<td>Smarter Balanced Math (grad cuts)</td>
</tr>
<tr>
<td>Class of 2021 - 2022</td>
<td>ELA</td>
<td>Smarter Balanced ELA (grad cuts)</td>
</tr>
<tr>
<td></td>
<td>Math</td>
<td>Smarter Balanced Math (grad cuts)</td>
</tr>
<tr>
<td></td>
<td>Science</td>
<td>Washington Comprehensive Assessment of Science</td>
</tr>
</tbody>
</table>

## CAA Alternative Testing Options

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Description</th>
<th>Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>College Entrance Exams (SAT/ACT/AP)</td>
<td>Students may use their math, science, and/or ELA scores on the SAT with Essay, ACT with Writing, or specified Advanced Placement (AP), to meet state test requirements.</td>
<td>Students must attempt an accountability assessment at least once. Students must have taken and not passed state test.</td>
</tr>
<tr>
<td>Grade Comparison</td>
<td>A student’s grades in courses corresponding to specific content areas are compared with the grades of students who took the same courses and passed the exit exam or accountability assessment.</td>
<td>Available to students in their 12th grade year with an overall GPA of 3.2. Students must have taken and not passed state test.</td>
</tr>
<tr>
<td>Collection of Evidence (Math)</td>
<td>Students take a Collection of Evidence course. Students submit their collection of evidence for district scoring. Collections that pass will count towards meeting state test graduation requirement.</td>
<td>Available for students for juniors and seniors in math. Students must have participated and not met state test requirement.</td>
</tr>
<tr>
<td>Bridges to College Course (ELA and Math)</td>
<td>Students who take and pass the Bridges to College course in their senior year will qualify for having met the state test requirement.</td>
<td>Seniors who have taken and not met state test requirements.</td>
</tr>
<tr>
<td>Dual Credit</td>
<td>Students taking course in ELA or Math that receives dual credit for college course can count that credit as meeting the state requirement in the corresponding subject test.</td>
<td>Students must have taken and not met state test requirements.</td>
</tr>
</tbody>
</table>
**Out-of-State Transfer Student Waivers**

- Students that enter Washington State in their 12th grade year having passed Washington-approved tests from other states in ELA, math and/or science may get a waiver from passing corresponding Washington state tests.
- Students that enter Washington state in their 12th grade year may directly access CAA-Alternatives without having taken a Washington State test first.

**CIA / IEP Special Education Alternatives**

<table>
<thead>
<tr>
<th>IEP Alternative</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIA Cut Score: (SBA)</td>
<td>A determination by a student’s IEP team to establish a passing score at the CIA Cut Score, established within the Level 2, or Basic, score range on the state’s high school assessment. The CIA Cut Score cannot be used for state and federal accountability; but can be used to fulfill state assessment graduation requirements for earning a CIA.</td>
</tr>
<tr>
<td>Off-Grade Level</td>
<td>Students receiving special education services may take an assessment specific to a particular content area (Mathematics, English Language Arts) at a grade level different then currently enrolled. The student must meet the established cut score for proficiency (level 3) for the grade level assessed. *Use of the off-grade WA-AIM is intended for the students who meet the participation criteria for the Alternate Assessment.</td>
</tr>
<tr>
<td>Locally Determined Assessment (LDA)</td>
<td>A series of state-prescribed assessments available in the content areas of reading, writing, mathematics and science that can be selected and administered at the local school. The LDA is accessible by 12th grade students only for purpose of meeting state graduation requirements. Meeting standard is scoring at or above the established minimum grade equivalency (G.E.) for the prescribed test or the established passing score.</td>
</tr>
<tr>
<td>WA-AIM</td>
<td>The Washington Access to Instruction &amp; Measurement (WA-AIM) is an alternate assessment based on alternate achievement standards aligned to the Common Core State Standards for students with significant cognitive challenges. The WA-AIM will measure student knowledge and skills through the use of twice annual administered performance tasks.</td>
</tr>
</tbody>
</table>

**Additional Resources for State Testing Graduation Requirements**

➢ Alternative Assessments & Waivers: 
http://www.k12.wa.us/assessment/GraduationAlternatives/Options.aspx
➢ Washington Comprehensive Assessment Program: Family Resources 
http://wa.portal.airast.org/resources/students-and-families/
**High School Pass / Fail Option Grade Courses**
Pass/Fail grading is an option for English Language Learner (ELL) students in all courses. Eligibility for pass/fail grading in each course is based on the recommendation of both the content area teacher and the ELL teacher.

For special education students, it is the Individual Education Program (IEP) team that determines their graduation plan and needed accommodations, including the use of modified grading or course substitutions. The IEP team must document both the plan and accommodations. Each general education teacher will receive information indicating the need for a modified grade (e.g. pass/fail) or other accommodations. See your counselor if you have questions regarding pass/fail grades.

**Waiver for Course and Program Requirements**
**Physical Education** Waiver - Students may request to waive Physical Education requirements for physical activity monitored by a coach for participation in school or competitive sports. This entire requirement may be waived for medical or religious reasons. See your counselor for forms. (This does not reduce the number of credits required for graduation.)

Other Course Waivers - A student or parent(s) may submit to the principal a request to waive non-statutory or local course requirements. The principal may waive requirements when it is in the best interest of the student. When a course requirement is waived, it will be recorded on the student’s permanent record.

Credit for Courses Taken Outside the High School Setting - Under certain conditions, credit towards high school graduation may be granted by the high school principal for courses from other approved schools or institutions. *Prior approval* must be obtained from the principal or the principal’s designee.
**Fast Start - 7th and 8th Grade**

The intent of this legislation passed in April 1990 was to provide an opportunity for talented or advanced students who take high school courses in 7th or 8th grade to receive high school credit. Students who take courses where high school credit is given must have their parents request these Fast Start credits be added to their transcript. See your school counselor for information. In addition to high school credit, the student’s grade will be computed into their high school grade point average. *Once a grade is posted to the transcript it cannot be removed.*
Running Start
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 college placement requirements.

Students may take up to 15 free credits each quarter. Costs for books, fees, supplies, and transportation are the responsibility of the student. 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
• Must be under the age of twenty-one years of age as of September 1 of the school year.
• Must be of junior or senior status as determined by the Bethel School District.
• Must not have earned the required credits for graduation as determined by the Bethel School District prior to the beginning of the school year.
• Must not possess a high school diploma.
• Must meet enrollment timelines of chosen institution.
**College In High School**
College in High School enable students to be concurrently enrolled in high school and college to earn high school and college credit in the same course offered on the high school campus. High school students enrolled in College in the High School are officially enrolled in the college or university and must meet college specific course requirements and pre-requisites. Bethel School District currently offers some College in the High School Courses in partnership with the University of Washington and Central Washington University.

**Earn College Credit**
**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 “B” 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](http://pc3connect.org).

<table>
<thead>
<tr>
<th>Arts &amp; Communications</th>
<th>Business, Marketing &amp; Information Technology</th>
<th>Health &amp; Human Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graphic Design</td>
<td>Accounting 1</td>
<td>Culinary Arts 1, 2</td>
</tr>
<tr>
<td>Digital Photography 1</td>
<td>Accounting 2</td>
<td>Culinary Essentials 1, 2</td>
</tr>
<tr>
<td>Digital Photography 2</td>
<td>Intro to Business and Marketing</td>
<td>Intro to Medical Careers 2</td>
</tr>
<tr>
<td>Video Productions 1</td>
<td>Microsoft Applications 1, 2</td>
<td>Child Development/Parenting 1, 2</td>
</tr>
<tr>
<td>Video Productions 2</td>
<td>Entrepreneurship/Retail Store Operations</td>
<td>Nutrition and Fitness</td>
</tr>
<tr>
<td>Media Design and Production</td>
<td>Web Design</td>
<td>Biomedical Innovation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sports Medicine 1, 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Careers in Education</td>
</tr>
<tr>
<td></td>
<td></td>
<td>American Sign Language 1, 2, 3</td>
</tr>
<tr>
<td>Science, Technology, Engineering, and Math</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Sports 1, 2, 3</td>
<td>Woodworking</td>
<td>Conservation/Wildlife Biology 2</td>
</tr>
<tr>
<td>Private Ground School</td>
<td></td>
<td>Composites/Manufacturing 1, 2</td>
</tr>
</tbody>
</table>
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

Minimum College Admission Course Requirements (CADRs)

NCAA Athletic Eligibility Requirements

Planning Tasks by Grade Level
WHAT PATHWAY WILL YOU CHOOSE?

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 & 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 AND COMMUNICATION
Visual Design | Visual Communication / Graphic Arts | Video Production | Theatre/Performing Arts

BUSINESS AND MARKETING
Business Management and Entrepreneurship | Financial Services | Office Administration

ENGINEERING AND STEM
Manufacturing | Engineering and Construction | Transportation | Distribution and Logistics

INFORMATION TECHNOLOGY
Information Technology

HEALTH SCIENCE
Medical Care Careers | Government & Safety Services

HUMAN SERVICES
Hospitality & Tourism | Education & Social Services | Junior Reserve Officer Training (JROTC)

SCIENCE AND NATURAL RESOURCES
Environmental Science

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.
**WHAT PATHWAY WILL YOU CHOOSE?**

<table>
<thead>
<tr>
<th>VISUAL DESIGN</th>
<th>VISUAL COMMUNICATION / GRAPHIC ARTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathway Elective Options:</td>
<td>Pathway Elective Options:</td>
</tr>
<tr>
<td>• Art Survey</td>
<td>• Art Survey</td>
</tr>
<tr>
<td>• Digital Photography 1 &amp; 2</td>
<td>• Digital Photography 1 &amp; 2</td>
</tr>
<tr>
<td>• AP Studio Art 2D</td>
<td>• AP Studio Art 2D</td>
</tr>
<tr>
<td>• Graphic Design</td>
<td>• Web Design 1 &amp; 2</td>
</tr>
<tr>
<td>• Yearbook</td>
<td>• Graphic Design</td>
</tr>
<tr>
<td>• Metals/Jewelry &amp; Design 1 &amp; 2</td>
<td>• Yearbook</td>
</tr>
<tr>
<td>• Drawing, Advanced Drawing</td>
<td>• Drawing, Advanced Drawing</td>
</tr>
<tr>
<td>• Advanced Studio Art</td>
<td>• AP Studio Art: Drawing</td>
</tr>
<tr>
<td>• AP Studio Art: Drawing</td>
<td>• Painting, Advanced Painting</td>
</tr>
<tr>
<td>• Painting, Advanced Painting</td>
<td>• AP English Language &amp; Composition</td>
</tr>
<tr>
<td>• Sculpture, Advanced Sculpture</td>
<td>• AP English Literature &amp; Composition</td>
</tr>
<tr>
<td>• Ceramics, Advanced Ceramics</td>
<td></td>
</tr>
<tr>
<td>• AP Studio Art: 3D Design</td>
<td>PCSC Options:</td>
</tr>
<tr>
<td></td>
<td>• DigiPen Video Game Development</td>
</tr>
</tbody>
</table>

**TRAINING OPTIONS**
- (Pathway: Visual Design)
  - Community/Technical College
  - University Programs

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

**POTENTIAL DEGREE COURSES OF STUDY**
- Information support and services Interactive media;
  - Network systems;
  - Programming and software development

**POTENTIAL DEGREE COURSES OF STUDY**
- Audio and video technology and film;
  - Broadcasting and journalism;
  - Performing arts;
  - Printing technology;
  - Telecommunications;
  - Visual arts

**CAREER OPTIONS**
- (Pathway: Visual Design)
  - 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

**CAREER OPTIONS**
- (Pathway: Visual Communication / Graphic Arts)
  - 2-Year or Certificate: Film and TV Crew, Film Editor
  - Bachelor’s Degree or Higher: TV Producer, Screenwriter, TV Anchor, Video Game Designer
<table>
<thead>
<tr>
<th>WHAT PATHWAY WILL YOU CHOOSE?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THEATRE / PERFORMING ARTS</strong></td>
</tr>
<tr>
<td>Pathway Elective Options:</td>
</tr>
<tr>
<td>• Theatre, Advanced Theatre</td>
</tr>
<tr>
<td>• Theatre Design &amp; Stagecraft 1 &amp; 2</td>
</tr>
<tr>
<td>• Improvisational Theatre</td>
</tr>
<tr>
<td>• Speech/Debate</td>
</tr>
<tr>
<td>• Choir: Treble, Bass, Concert, Select Treble, Vocal Ensemble</td>
</tr>
<tr>
<td>• Band: Concert, Symphonic, Wind Ensemble, Jazz Ensemble, and Percussion Ensemble</td>
</tr>
<tr>
<td>• Orchestra</td>
</tr>
<tr>
<td>• Chamber Orchestra</td>
</tr>
<tr>
<td>• AP English Language &amp; Composition</td>
</tr>
<tr>
<td>• AP English Literature &amp; Composition</td>
</tr>
<tr>
<td>• World Language</td>
</tr>
<tr>
<td><strong>TRAINING OPTIONS</strong></td>
</tr>
<tr>
<td>o Community/Technical College</td>
</tr>
<tr>
<td>o University Programs</td>
</tr>
<tr>
<td><strong>POTENTIAL DEGREE COURSES OF STUDY</strong></td>
</tr>
<tr>
<td>Broadcasting and journalism; Performing arts; Telecommunications; Visual arts</td>
</tr>
<tr>
<td><strong>CAREER OPTIONS</strong></td>
</tr>
<tr>
<td>2-Year or Certificate: Film and TV Crew, Announcer, Model, Dancer, Voice Over Specialists, Stage Hand</td>
</tr>
<tr>
<td>Bachelor's Degree or Higher: Screenwriter, TV Anchor, Professional Make-Up Artist, Agent, Director, Set Designer</td>
</tr>
<tr>
<td><strong>VIDEO PRODUCTION</strong></td>
</tr>
<tr>
<td>Pathway Elective Options:</td>
</tr>
<tr>
<td>• Digital Photography 1 &amp; 2</td>
</tr>
<tr>
<td>• Graphic Design</td>
</tr>
<tr>
<td>• Video Production 1 &amp; 2</td>
</tr>
<tr>
<td>• Media Design &amp; Production</td>
</tr>
<tr>
<td>• Journalism</td>
</tr>
<tr>
<td><strong>PCSC Options:</strong></td>
</tr>
<tr>
<td>• DigiPen Video Game Development</td>
</tr>
<tr>
<td><strong>TRAINING OPTIONS</strong></td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td><strong>POTENTIAL DEGREE COURSES OF STUDY</strong></td>
</tr>
<tr>
<td>Audio and video technology and film; Broadcasting and journalism; Performing arts; Printing technology; Telecommunications; Visual arts</td>
</tr>
<tr>
<td><strong>CAREER OPTIONS</strong></td>
</tr>
<tr>
<td>2-Year or Certificate: Film and TV Crew, Film Editor</td>
</tr>
<tr>
<td>Bachelor's Degree or Higher: TV Producer, Screenwriter, TV Anchor, Video Game Designer</td>
</tr>
</tbody>
</table>

**ARTS AND COMMUNICATION**
# What Pathway Will You Choose?

## Business Management & Entrepreneurship

### Pathway Elective Options:
- DigiTools
- Accounting 1 & 2
- Business Law
- Financial Fitness
- Microsoft Applications 1 and 2
- Intro to Business & Marketing
- Web Design 1 & 2
- Leadership
- Economics
- AP Microeconomics
- AP Macroeconomics
- Yearbook
- Work-Based Learning
- Psychology/AP Psychology
- Sociology
- World Language
- Retail Store & Entrepreneurship

### PCSC Options:
- Cosmetology (off-site @ Clover Park Technical College)
- Culinary Arts

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

### Potential Degree Courses of Study
Buying and merchandising; Distribution and logistics; E-Marketing; Management and entrepreneurship; Marketing communications and promotion; Marketing information management and research; Professional sales and marketing

### 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

## Financial Services

### Pathway Elective Options:
- DigiTools
- Microsoft Applications 1 & 2
- Accounting 1 & 2
- Financial Fitness
- Intro to Business & Marketing
- Retail Store & Entrepreneurship
- Work-Based Learning
- Advanced Algebra
- Pre-Calculus
- Statistics
- AP Statistics
- Economics
- AP Microeconomics
- AP Macroeconomics
- World Language

### Training 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 Elective Options:
- DigiTools
- Microsoft Applications 1 & 2
- Accounting 1 & 2
- Financial Fitness
- Intro to Business & Marketing
- Retail Store & Entrepreneurship
- Web Design 1 & 2
- Graphic Design
- Work-Based Learning
- Marketing, Advanced Marketing
- Computer Science
- AP Computer Science
- Yearbook

### Training 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
# WHAT PATHWAY WILL YOU CHOOSE?

## MANUFACTURING
Pathway Elective Options:
- Composites/Manufacturing
- Intro to Engineering Design
- Principles of Engineering
- Computer Integrated Manufacturing
- Pre-Calculus

PCSC Options:
- Aerospace Composites
- Aerospace Machining

## ENGINEERING & CONSTRUCTION
Pathway Elective Options:
- Intro to Engineering Design
- Principles of Engineering / Robotics
- Intro to Aerospace Engineering
- Computer Integrated Manufacturing
- Civil Engineering and Architecture
- Unmanned Aerial Systems (Drone Piloting)

PCSC Options:
- Aerospace Composites
- Aerospace Machining
- Construction Trades
- PC Networking

## TRANSPORTATION, DISTRIBUTION & LOGISTICS
Pathway Elective Options:
- Unmanned Aerial Systems (Drone Piloting)
- Intro to Aerospace Engineering
- Power Sports 1, 2, and 3
- Robotics
- Business Law
- Intro to Business & Marketing
- Retail Store & Entrepreneurship

PCSC Options:
- Aerospace Composites
- Aerospace Machining
- Automotive Technology

### TRAINING 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

## TRANSPORTATION AND STEM
Pathway Elective Options:
- Unmanned Aerial Systems (Drone Piloting)
- Intro to Aerospace Engineering
- Power Sports 1, 2, and 3
- Robotics
- Business Law
- Intro to Business & Marketing
- Retail Store & Entrepreneurship

PCSC Options:
- Aerospace Composites
- Aerospace Machining
- Automotive Technology

### TRAINING 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 and 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

## ENGINEERING AND STEM

### 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 and 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
WHAT PATHWAY WILL YOU CHOOSE?

**INFORMATION TECHNOLOGY**
Pathway Elective Options:
- DigiTools
- Microsoft Applications 1 & 2
- Web Design 1 & 2
- Graphic Design
- Intro to Computer Programming
- AP Computer Science Principles
- Work-Based Learning

PCSC Options:
- DigiPen Video Game Development
- PC Networking & Hardware Repair

**TRAINING 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
### What Pathway Will You Choose?

#### Medical Careers

**Pathway Elective Options:**
- Principles of Biomedical Science
- Human Body Systems
- Medical Interventions
- Biomedical Innovations
- Intro to Medical Careers 1 & 2
- Sports Medicine 1 & 2
- Physical Fitness Technician
- Nutrition & Fitness
- Family Health

- Biology of Addictions and the Brain (CiHS)
- Psychology/APH Psychology
- Sociology
- Child Development 1 & 2
- World Language
- AP Biology
- AP Chemistry
- Pre-Calculus (CiHS)
- AP Calculus

**PCSC Options:**
- Medical Careers
- Pre-Pharmacy Technology
- Pre-Physical Therapy & Sports Medicine
- Pre-Veterinary Technology

**Training 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 Aest., 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

#### Government & Safety Services

**Pathway Elective Options:**
- Principles of Biomedical Science
- Human Body Systems
- Medical Interventions
- Biomedical Innovations
- Intro to Medical Careers

- Business Law
- Accounting
- AP Government

- AP Biology
- AP Chemistry
- Statistics/AP Statistics
- Pre-Calculus
- Psychology/AP Psychology
- Sociology
- World Language

**PCSC Options:**
- Criminal Justice
- Fire Science & Emergency Services

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

**Potential Degree Courses of Study**
Emergency and fire management; Security and protective service; Law enforcement services; Legal services Correction services

**Career Options**

- 2-Year or Certificate: Crime Scene Technician, Biotechnology Lab Technician
- Bachelor’s Degree or Higher: Forensic Accountant, Forensic Scientist, Pathologist, Coroner, Crime Scene Investigator, Toxicologist

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**Health Science**
**WHAT PATHWAY WILL YOU CHOOSE?**

### HOSPITALITY/FOOD SERVICE

**Pathway Elective Options:**
- Culinary Essentials 1, 2, & 3
- Business Law
- Accounting 1 & 2
- Web Design
- Video Productions
- Graphic Design
- Introduction to Business & Marketing
- Retail Store & Entrepreneurship

**PCSC Options:**
- Culinary Arts

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

**POTENTIAL DEGREE COURSES OF STUDY**
- Lodging; Recreation, amusement and attractions;
- Restaurants and food and beverage services; Travel and tourism

**CAREER OPTIONS**
- **2-Year or Certificate:** Hotel Desk Clerk, Server, Housekeeper, Tour Guide, Travel Agent, Hotel or Restaurant Floor Manager
- **Bachelor's Degree or Higher:** Bed and Breakfast Proprietor, Hotel or Restaurant Facility Manager, Meeting and Convention Planner, Tourism Director

### EDUCATION & SOCIAL SERVICES

**Pathway Elective Options:**
- Pre-Calculus (CiHS)
- Statistics/AP Statistics
- AP World History
- Psychology/AP Psychology
- Sociology
- AP Human Geography
- World Language

**TRAINING 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 Elective Options:**
- **ARMY**
  - Year 1-4
  - Drill & Performance
- **AIR FORCE**
  - Year 1-4
  - Drill & Performance
  - Private Pilot Basic Ground School
- **NAVY**
  - Year 1-4
  - Drill & Performance

**TRAINING OPTIONS**
- Basic Training
- Community/Technical College
- ROTC at University

**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

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**HEALTH SERVICES**
WHAT PATHWAY WILL YOU CHOOSE?

**ENVIRONMENTAL SCIENCE**
Pathway Elective Options:
- Conservation & Wildlife Biology 1&2
- Landscape Management
- Greenhouse Management & Hydroponics
- Environmental Science
- Earth Science
- AP Human Geography
- AP Environmental Science
- AP Chemistry
- AP Biology
- Statistics/AP Statistics
- Pre-Calculus (CIHS)
- Marine Biology
- Zoology

PCSC Options:
- Fire Science
- Pre-Veterinary Technology

**TRAINING 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

SCIENCE AND NATURAL RESOURCES
Course Descriptions

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 student’s 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:
  - a single trimester (12 weeks, .5 credit)
  - two trimesters (24 weeks, 1.0 credit)
  - three trimesters (36 weeks, 1.5 credits)

- **Questions?** Please contact the counseling office of the appropriate high school for assistance:

  Bethel HS 253-683-7049

  Challenger HS 253-683-6884

  Graham Kapowsin HS 253-683-6176

  Spanaway Lake HS 253-683-5659
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 161/162/563)
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 syllabi 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 Subsidiary (AS) 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. Student 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 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)
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. (Prerequisite IGCSE Mathematics or Algebra 1/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 only, 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 – Level 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 Mathematic 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 – Level 2) Credit: Mathematics 1.5 - NCAA approved

Cambridge AICE Mathematics 4/Mechanics 1 – (Calculus II) Level 4 - 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 Calculus/Statistics – Level 3) Credit: Mathematics 1.5- NCAA approved

Cambridge AICE Mathematics Statistics – (Statistics) Level 5 – 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 Mathematic – Level 3) Credit: Mathematics 1.5 - NCAA approved

Science

Cambridge IGCSE Co-ordinated 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; 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 AS Level (10th grade)**  (SCI 163/164/561)

AS Level Biology requires students 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 hypothesis are also required. Students must solve problems of a quantitative nature and apply knowledge and principles to novel situations. They must demonstrate an awareness of the limitations of biological theories and models. 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, genetic control, transport in plants and mammals, gas exchange, infectious disease, and immunity. This course is based on CIE syllabus 9700. (Perquisite AICE - IGCSE Physical Science) Credit: Science 1.0 – NCAA approved

**Cambridge AICE Chemistry – AS Level (11th grade)**  (SCI 377/378/579)

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. (Perquisite AICE - AS Biology and IGCSE Physical Science) Credit: Science 1.0 – NCAA approved

**Cambridge AICE Physics – AS Level (12th grade)**  (SCI 373/374/573)

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 (Perquisite AICE - AS Biology and IGCSE Physical Science) Credit: Science 1.5 – NCAA approved

**Cambridge AICE Biology - A Level (12th grade) (SCI 375/376/577)**

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. (Perquisite AICE - AS Biology and IGCSE Physical Science) Credit: Science 1.0 – 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 Thinking Skills in Contemporary/Economic World Issues (9th grade) (SST 161/162/563)**

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 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 and 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 syllabi 0455 & 9694. Credit: Social Studies 1.5 - NCAA approved

**Cambridge AICE Global Perspectives in International Relations – A Level (10th grade) (SST 261/262/564)**
This Advanced Subsidiary (AS) 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 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 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
Career and Technical Education Course Information Listing

Please be advised that, all courses listed here are not necessarily offered in each high school each semester.

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

Prerequisites are designed to ensure appropriate skills in courses that require sequential skill development.

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<th>ARTS &amp; COMMUNICATIONS</th>
<th>BUSINESS, MARKETING &amp; INFORMATION TECHNOLOGY</th>
<th>STEM COURSES: SCIENCE, TECHNOLOGY ENGINEERING &amp; MATH</th>
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<tbody>
<tr>
<td>Digital Photography 1</td>
<td>Accounting 1</td>
<td>Powersports 1</td>
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<tr>
<td>Video Productions 1</td>
<td>Digital Communication Tools</td>
<td>Construction Technology</td>
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<td>Graphic Design</td>
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**EXPLORATORY COURSES**

- Digital Photography 1
- Video Productions 1
- Graphic Design
- Accounting 1
- Digital Communication Tools
- Intro to Business/Marketing Financial Fitness Senior Survival/Careers
- Powersports 1
- Construction Technology Design & Modeling
# PREPARATORY COURSES

<table>
<thead>
<tr>
<th>ARTS, A/V TECH &amp; COMMUNICATIONS</th>
<th>MARKETING SALES</th>
<th>SCIENCE AND TECHNOLOGY</th>
</tr>
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<tbody>
<tr>
<td>Digital Photography 2</td>
<td>Entrepreneurship/ Retail Store Operations</td>
<td>Power Sports 2</td>
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<tr>
<td>Video Productions 2</td>
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<td>Media Design and Production</td>
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<td>Metals, Jewelry &amp; Design 1, 2 &amp; Advanced</td>
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<td>ENGINEERING AND MATH</td>
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<td>AP Studio Art 2D</td>
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<td>Design Principles of Engineering/Robotics Civil</td>
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<td>Yearbook Technology</td>
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<td>Greenhouse Management and Hydroponics 1</td>
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<td>Culinary Essentials 1, 2, 3</td>
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Career/Technical Education (CTE)
All courses listed under Career/Technical Education (CTE) count towards fulfilling the one credit requirement in Occupational Education. Careers credit (required 0.5) is listed in this section as well. **College Credit:** Many CTE courses offer free college 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: Arts Technology**

**Metals, Jewelry & Design 1 (CTA 251/252)**
*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE or Fine Arts or Elective 0.5 - Fees may apply*
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.

**Metals, Jewelry & Design 2 (CTA 261/262)**
*Grade Level: 9, 10, 11, 12 Repeatable*
*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.

**Advanced Metals, Jewelry & Design (CTA 262)**
*Grade Level: 9, 10, 11, 12 Repeatable*
*Credit: Occupational/CTE or Fine Arts or Elective 0.5*
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.

**Advanced Placement Studio Art 2D (CTA 461/462/563)**
*Grade Level: 11, 12 repeatable*
*Credit: Occupational/CTE, Fine Arts or Elective 1.5*
*Prerequisite: There is an application process for this course.*
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.
**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.

**Design and Modeling (CTA 207)**

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

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

*Prerequisite: None*

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 be then 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 this course is not the prerequisite for the Engineering Pathway.*

*Note: The Pierce County Skills Center offers a program that may be of interest to you: DigiPen Game Design. Please see the Pierce County Skills Center webpage for more information.*

**Digital Photography 1 (CTA 201/202)**

*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.

**Digital Photography 2 (CTA 255/256)**

*Grade Level: 10, 11, 12 repeatable*

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

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

*Prerequisite: Successful completion of Digital Photography 1 with a C grade or better.*

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.
CTE: Communications Technology

Video Productions 1 (CTT 103/104) 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.

Video Productions 2 (CTT 163/164)
Grade Level: 9, 10, 11, 12 (repeatable)
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
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.

Media Design & Production A & B (CTT 101/102)
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
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.

Yearbook Technology A, B, C (CTT 351/352/509)
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, poster and produce the yearbook using various publishing software.

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 and then progress to Dreamweaver, Fireworks and Flash to create functional, yet attractive web pages that are designed and structured according to proper design and layout.
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 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 and multimedia components; search engines; navigation; morphing; ecommerce tools; and emerging web technologies.
CTE: Business and Marketing

Accounting 1- A & 1-B (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.

Accounting 2 -A & 2-B (CTB 361/362)
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 Accounting 1&2
This second year course prepares individuals on advanced levels to practice the profession of accounting and to perform related business functions. Instruction in accounting principles and theory, financial accounting, cost accounting, budget control, tax accounting, legal aspects of accounting, auditing, reporting procedures, statement analysis, professional standards and ethics, plus applications specific for profit, public and non-profit organizations will be included.

Introduction to Business and 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), which further develop their leadership potential. This course is a prerequisite for Entrepreneurship/Retail Store Operations (working in the student store).

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 or Applied 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.
CTE: Business and Marketing

Entrepreneurship / Retail Store Operations (CTB 301/302)
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 recommendations 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), which further develop their leadership potential.

Business Law (CTB 207)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
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 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.
*Note: The Pierce County Skills Center offers a program that may be of interest to you: Criminal Justice. Please see the Pierce County Skills Center section of this guide for more information.

Digital Communication Tools (Digitools) (CTB 101)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 0.5
This course prepares individuals for electronic workplace communications using standard and customized software products. Students will learn about workplace technology resources such as programming basics, animation/gaming, digital languages, and computing concepts. Students will also begin post- secondary planning and career exploration. This course is typically taken during the 9th grade year.

CTE: Computer Science and Information Processing

Introduction to Computer Programming A & B (CTT 251/252)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective 1.0
Prerequisite: Successful completion of Algebra 1 or Applied Algebra 1.
CTE: Business and Marketing

Introduction to Computer Programming is a semester or year-long course focused on fundamental computer science concepts. Students will learn how to program using Python. Assignments and instruction are application-based and include socially relevant, real-world, current topics. Students will use a variety of tools and platforms throughout the course and will produce a final project that incorporates topics such as Human Computer Interaction, Problem Solving, Web Design, Introduction to Programming, Computing and Data Analysis, and Robotics. This project-based course will include fundamentals of Java and Unity along with Simulations, Game design, and App Development. *Note: The Pierce County Skills Center offers programs that may be of interest to you: DigiPen Game Design or PC Networking and Hardware Repair. Please see the Pierce County Skills Center section of this guide for more information.

Microsoft Applications 1-A  (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 - Fees may apply / Microsoft Certification Available
Prerequisite: Successful Completion of Digitools
This self-paced course series will guide students through real-life projects using word processing spreadsheet, database applications, and presentation software. Upon completion of this course, students will be eligible for industry certification through Microsoft. In addition to computer skills, students will develop work skills that are an important part of succeeding in the work environment.

Microsoft Applications 2-A  (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 - Fees may apply / Microsoft Certification Available
Prerequisite: Successful Completion of Digitools
This self-paced course series will guide students through real-life projects using word processing spreadsheet, database applications, and presentation software. Upon completion of this course, students will be eligible for industry certification through Microsoft. In addition to computer skills, students will develop work skills that are an important part of succeeding in the work environment.

Advanced Placement Computer Science Principles A & B  (CTT 401/402)
Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 1.5
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.

Advanced Placement Computer Science A - A  (CTT 403/404)
Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science, Occupational/CTE or Elective 1.5  NCAA approved
CTE: Business and Marketing

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.

Independent Study in Computer Science (CTT 451/452)

Grade Level 11 & 12  Credit: Occupational/CTE or Elective 1.0

Prerequisite: Successful Completion of AP Computer Science A with a "B" or better and instructor permission.

This course is intended as an advanced, independent study course for students who have reached a high level of proficiency in computer science/web design. Students will research a new topic each quarter and create an industry project depending on community need(s) and student interest. Students must be self-driven and be able to work independently. Teachers will serve as advisors and provide coaching information but provide minimal instruction.
CTE: Health and Human Services

CTE: Junior Reserve Officer Training Corps

Bethel’s JROTC program is 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.

**Army JROTC**

Year 1-A, 1-B & 1-C (GEN 209/210) Year 2-A, 2-B, & 2-C (GEN 254/25D) Year 3-A, 3-B, 3-C (GEN 255/25E) Year 4-A, 4-B, 4-C(GEN 256/25F) Grade Level: 9, 10, 11, 12

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

The AJROTC 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 AJROTC 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.

**Air Force JROTC**

Year 1-A, 1-B & 1-C (GEN 207/208) Year 2-A, 2-B & 2-C (GEN 251/25A) Year 3-A, 3-B & 3-C (GEN 252/25B) Year 4-A, 4-B & 4-C (GEN 253/25C)

Grade Level: 9, 10, 11, 12

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

The AFJROTC 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 AFJROTC 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 (GEN261/262)**

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.
Navy JROTC
Year 1-A, 1-B & 1-C (GEN 211/212) Year 2-A, 2-B & 2-C (GEN 257/25G) Year 3-A, 3-B & 3-C (GEN 258/25H) Year 4-A, 4-B & 4-C (GEN 2596/25I)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, Occupational/CTE, or Elective 1.0 - Year 3 - CTSS 252 World Studies 1.0
The NJROTC 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 NJROTC 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. NJROTC cadets have opportunities to attend leadership academies and seminars conducted during the summer break.

JROTC Drill and Performance (GEN213/214)
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 a well as parades throughout the Puget Sound Area. Students compete and are judged at all NWD&RL competitions.

CTE: Human Services

Child Development 1 (CTF 205/206)
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.

Child Development 2 (CTF 255/256)
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
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.

**Careers in Education 1-A & 1-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, and classroom management techniques. Throughout this course, students complete observations in local elementary, junior 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 junior high classroom second semester to work with a mentor teacher and his/her students.

**Advanced Placement Psychology (CTP 469/470/571)**
*Grade Level: 9, 10, 11, 12*
*Credit: Occupational/CTE, Elective, Social Studies 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.

**American Sign Language 1-A, 1-B (ASL 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 2 -A, 2-B (ASL 251/252)**
*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 at 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 3 -A, 3-B (ASL 351/352)**
*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.

CTE: Family and Consumer Sciences

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 vocational credit.)

CTE: Culinary Arts

Culinary Arts 1 (CTF 217/218) Challenger Secondary School Only
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 Arts prepares individuals to provide cooking services in restaurants and other commercial food establishments. The course includes instruction in food safety and sanitation practices, recipe and menu planning, preparing, portioning, and cooking foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity or mastery of a wide variety of cuisines and culinary techniques.

Culinary Arts 2 (CTF 259/260) Challenger Secondary School Only
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 1
Culinary Arts 2 prepares individuals to provide cooking services in restaurants and other commercial food establishments. The course includes instruction in food safety and sanitation practices, recipe and menu planning, preparing, portioning, and cooking foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity or
mastery of a wide variety of cuisines and culinary techniques.

**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.

**Culinary Essentials 2 (CTF 257/258)**
*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 I and Culinary Essentials II*
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.

**Culinary Essentials 3 (CTF 265/266)**
*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 Essentials I*
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.

**CTE: Health & Medical Sciences**

**Introduction to Nutrition and Fitness (CTF 401)**
*Grade Level: 9, 10, 11, 12*
*Credit: Health, Physical Education, Occupational/CTE or Elective .5*
*College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply.* 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 & Finess 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.

Science of Nutrition and Health (CTF 402)
Grade Level: 9, 10, 11, 12
Prerequisite: Successful completion of Intro to Nutrition & Fitness
Credit: Health, Physical Education, Occupational/CTE or Elective .5
College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply. 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.

Nutrition and Fitness-for Lifelong Health (CTF 403)
Grade Level: 9, 10, 11, 12
Prerequisite: Successful completion of Intro to Nutrition
Credit: Health, Physical Education, Occupational/CTE or Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply. 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. Foods labs will center around special dietary needs.

Introduction to Medical Careers 1 (CTF 209/210)
Grade Level: 9, 10, 11, 12
Credit: Health, Occupational/CTE or Elective 0.5
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 semester.

Introduction to Medical Careers 2 (CTF 261/262)
Grade Level: 9, 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.
*Note: the Pierce County Skills Center offers a program that may be of interest to you: Medical Careers. Please see the Pierce County Skills Center section of this guide for more information.

Sports Medicine 1-A & 1-B (CTF 211/212)
Grade Level: 10, 11, 12 Credit: 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.*Note: the Pierce County Skills Center offers a program that may be of interest to you: Pre-Physical Therapy.

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

*Grade Level: 11, 12  Credit: 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*

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.

**Sports Medicine Practicum (CTF 225)**

*Grade Level: 11, 12  Credit: Occupational/CTE or Elective 0.5 (Repeatable)*

*Prerequisite: Enrollment in or successful completion of Sports Medicine or Sports Medicine 2 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.

**Physical Fitness Technician (CTF 107/108)**

*Grade Level: 10, 11, 12  Credit: Health, Physical Fitness, Occupational/CTE, or Elective 0.5*

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.

*Students with a B or better earn Kinesiology credits through Pierce College.*

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

*Grade level: 9, 10, 11, 12  Credit: Occupational/CTE, 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. *Note: the Pierce County Skills Center offers a program that may be of interest to you: Medical Careers. Please see the Pierce County Skills Center section of this guide for more information.

**Principles of the Biomedical Sciences Biology (CTF 226)**

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

*Credit: 0.5 credit Occupational/CTE, Lab Science (biology) 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.

**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.

*Note: the Pierce County Skills Center offers a program that may be of interest to you: Medical Careers. Please see the Pierce County Skills Center section of this guide for more information.

**Chemistry in Human Body Systems (CTF 230)**

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

*Credit: 0.5 credit Occupational/CTE, Lab Science (chemistry) 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.

**Medical Interventions A & B (CTF 267/268)**
*Grade Level: 11, 12*
*Credit: Occupational/CTE, Science, Health, Lab Science 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 the 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.

**Physics in Medical Interventions (CTF 228)**
*Grade Level(s): 10, 11, 12*
*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.

**Biomedical Innovation A & B (CTF 269/270)**
*Grade Level(s): 10, 11, 12*
*Credit: 0.5 credit 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.
CTE: Science and Natural Resources

Conservation/Wildlife Biology 1 (CTN 101)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or 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 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 are also explored. Local and statewide projects are undertaken, working with the Department of Fish & Wildlife. The Rocky Mountain Elk Foundation, Missoula Montana, in partnership with the High Schools for Habitat program sponsors Bethel High School. *Note: the Pierce County Skills Center offers a program that may be of interest to you: AP Environmental Science.

Conservation/Wildlife Biology 2 (CTN 102)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Science or Elective .5
College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply
Prerequisite: successful completion of Conservation/Wildlife Biology
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.

Landscape Management (CTN 103)
Grade Level: 9, 10, 11, 12 (Third Trimester Only)
Credit: Occupational/CTE or Science or Elective 0.5
Students are introduced to a combination of topics including class lectures on plant sciences, propagation, soils and growing materials. Students also become familiar with landscaping and planting techniques, pruning, as well as the operation and maintenance of equipment. Hands on activities include the upkeep and care of the BHS campus.

Greenhouse Management and Hydroponics (CTN 105)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or 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. Soil-less 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 205/206)**
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or 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. Soil-less 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.

**Environmental Science (CTN 107/108)**
Grade Level: 10, 11, 12
Credit: Lab Science or Elective 1.0 (.5 @ SLHS) NCAA Approved
Prerequisite: None
Students use the scientific method to explore and understand the environment. Topics include the effects of pollution, global warming, laboratory studies and student-center projects.

**Advanced Placement Environmental Science (CTN 401/402)**
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
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.
CTE: Science, Technology, Engineering and Math
(STEM)

Power Sports Equipment 1-A & 1-B (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 2-A & 2-B (CTM 257/258)
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 1
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.

Power Sports Equipment 3-A & 3-B (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 2
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.

Composites/Manufacturing 1-A & 1-B (CTM 107/108)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE; Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section
Composites/ Manufacturing 1 is part of the Manufacturing Career Cluster that articulates with the Pierce County Skills Center Skills Center. Upon successful completion of the Program of Study, students can gain entry level employment in the aerospace industry. Composites/Manufacturing 1 will prepare you to become a fabrication technician, assemble and repair composite materials on aircraft at an entry level. Local aerospace and composites manufacturing industry has expressed an ongoing need for people with these skills. The knowledge and skills gained through this training can transfer into other industries also, such as automotive, marine, and sporting goods. Students will receive hands-on experience in manufacturing, testing, and assessing the properties and performance of aerospace materials.
CTE: Science, Technology, Engineering and Math (STEM)

Composites/Manufacturing 2-A & 2-B (CTM 153/154)
Grade Level: 10, 11, 12
Credit: Occupational/CTE; Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply
Prerequisite: Successful Completion of Composites/Manufacturing 1
In Composites/Manufacturing 2, students will continue with a more in-depth look at mechanical behavior and characteristics of composites and aerospace materials. Students will evaluate aerospace material performance and make decisions based on structural durability and safety. The knowledge and skills gained through this training can transfer into other industries also, such as automotive, marine, and sporting goods. In this high-demand career development program, students may have the opportunity to earn a Certificate of Competencies leading to entry-level employment in the composites and aerospace industries.

Introduction to Engineering Design-IED A & B (CTM 260/261)
Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE, Fine Arts, or Elective 1.0
Prerequisite: None
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.

Principles of Engineering/Robotics A & B (CTM 270/271)
Grade Level: 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 survey course exposes students to major concepts they’ll encounter in a post-secondary 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 will have the opportunity to utilize the skills and knowledge from this class by joining the school robotics club.

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

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.

Aerospace Engineering A & B (CTM 217/218)

Grade Level: 11, 12, or instructor’s approval
Credit: Occupational/CTE or Elective 1.0  NCAA approved
Prerequisite: Successful Completion of Algebra 1 or Applied Algebra 1. Intro to Engineering Design is recommended. Aerospace Engineering 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.

Drone Piloting (UAS) (CTM 317/318)

Grade Level: 11, 12, or instructor’s approval
Credit: Occupational/CTE or Elective 1.0
Prerequisite: Successful Completion of Algebra 1 or Applied Algebra 1. Intro to Engineering Design or Drone Design & Engineering is recommended.
This course will provide students experiences in engineering and design concepts of unmanned aircraft (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.

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 Applied Algebra 1. Intro to Engineering Design or Drone Piloting is recommended.
This course will provide students with experiences working in the emerging field of Unmanned Aerial Systems (UAS) aka drones. Students will explore the engineering concepts presently utilized in this expanding field and will Develop knowledge and understanding of basic sUAS design, Computer Aided Design (CAD), Computer Aided Manufacturing (CAM), Additive Manufacturing (AM), basic control system design and implementation, circuit assembly, and aircraft flight testing.

Design and Modeling (CTM 104)

Grade Level: 11, 12, or instructor’s approval
Credit: Occupational/CTE or Elective .5
Prerequisite: Successful Completion of Algebra 1 or Applied Algebra 1. Intro to Engineering Design is recommended.
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 be then 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
CTE: Science, Technology, Engineering and Math (STEM)

two-trimester course, Introduction to Engineering Design, as this course is not the prerequisite for the Engineering Pathway.

Civil Engineering and Architecture A & B (CTM 353/354)

Grade Level: 10, 11, 12
Credit: Occupational/CTE or Elective 1.0
Prerequisite: Successful Completion of Intro to Engineering Design.
This course is part of the Project Lead the Way (PLTW) course sequence designed to provide students with greater understanding of mathematics and science through pre-engineering concepts. In this overview of civil engineering fields, students will use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a playground or vacation homes for example, students experience firsthand the job responsibilities of architects and civil engineers. By the end of the course, students are able to give a complete presentation to the client including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements, and other essential project plans.

Construction Technology (CTM 105/106)

Grade Level: 9, 10, 11, 12
Credit: Occupational/CTE or Elective .5
College Credit may be available; see note at beginning of Career/Technical Education Section
Students are introduced to a variety of hand tools and construction/woodworking equipment. This course is designed to teach entry-level skills and knowledge of both construction trades and woodworking. Students will have the opportunity to explore various trades in the construction industry such as; carpentry, electrical, drywall, plumbing, roofing, and more. Safety will be emphasized throughout the course.
Work Based Learning

Work Based Learning 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. 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 the work and employers must adhere to state and federal laws. Students must complete 180 hours of paid work for each 0.5 credit.

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, and building administrative staff.
# English Language Arts

All students must complete 4.0 credits to graduate from high school.

<table>
<thead>
<tr>
<th>Courses that Satisfy the English Language Arts Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Sequence</strong></td>
</tr>
<tr>
<td>English Language Arts 9</td>
</tr>
<tr>
<td>English Language Arts 10</td>
</tr>
<tr>
<td>English Language Arts 11</td>
</tr>
<tr>
<td>English Language Arts 12 or Bridge to College English 12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English Language Arts Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speech/Debate</td>
</tr>
<tr>
<td>Journalism</td>
</tr>
<tr>
<td>Freshman Seminar</td>
</tr>
<tr>
<td>Leadership</td>
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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.
**English Language Arts 9 (ENG 101/102)**

*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 standard on the Common Core 9-10 grade specific standards. Completion of this course is required for graduation.

**Honors English Language Arts 9  (ENG 151/152)**

*Grade Level: 9*

*Credit: English Language Arts 1.0  NCAA approved*

*Prerequisites: Program Placement*

This course meets the requirements of English Language Arts 9, but moves at a faster pace, asks students to think at greater depth and a higher level of complexity, and prepares students for additional honors and Advanced Placement program offerings. Highly capable students are automatically enrolled at this grade level. Students work toward demonstrating mastery of the Common Core 9-10 grade specific standards.

**English Language Arts 10  (ENG 201/202)**

*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 choice for meaning and style. Students work toward meeting standard on the Common Core 9-10 grade specific standards. Completion of this course is required for graduation.

**Honors English Language Arts 10  (ENG 251/252)**

*Grade Level: 10*

*Credit: English Language Arts 1.0  NCAA approved*

This course is designed to prepare committed and motivated English students for entry into Advanced Placement. English courses at the junior and senior levels. Students must possess a strong work ethic and positive attitude toward rigorous learning. The course meets the requirements of English Language Arts 10, but moves at a faster pace and asks students to think at greater depth and a higher level of complexity. Students work toward demonstrating mastery of the Common Core 9-10 grade specific standards.
English Language Arts 11 (ENG 301/302)
Grade Level: 11
Credit: English Language Arts 1.0 NCAA approved
Prerequisite: Successful completion of Communication Arts 10 or Honors Communication Arts 10
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 standard on the Common Core 11-12 grade specific standards.

Advanced Placement English Language and Composition (ENG 462/463/564)
Grade Level: 11
Credit: English Language Arts 1.5 NCAA approved
Prerequisite: Successful completion of Communication Arts 10 or Honors Communication Arts 10
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 analyses, complex inductive and deductive arguments, and evaluate and synthesize various sources for research writing. Completion of the Advanced Placement Exam is required.

English Language Arts 12 (ENG 401/402)
Grade Level: 12
Credit: English Language Arts 1.0 NCAA approved
Prerequisite: Successful completion of Communication Arts 11 or AP English Language and Composition
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 of 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 standard on the Common Core 11-12 grade specific standards.

Advanced Placement English Literature and Composition (ENG 460/461/562)
Grade Level: 12
Credit: English Language Arts 1.5 NCAA approved
Prerequisite: Successful completion of Communication Arts 11 or AP English Language and Composition
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 in 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 203/204)**
*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 253/254)**
*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 409/410)**
*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 0.05
Freshman Seminar is a one-semester, elective course that offers ninth graders some important keys to high school success. This pass/fail course will offer students instruction in study skills, organization strategies, goal setting and time management techniques. It will introduce freshmen to the culture of their specific high school focusing on the traditions activities, and services available to students will work on high school planning, and explore post-secondary career options. Students will have one-on-one conference time with the teacher throughout the semester.

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 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.
General Electives

College Test Prep (GEN 301)

*Grade Level: 10, 11, 12*

*Cred*: 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 (GEN 410)

*Grade Level: 12*

*Cred*: Elective .5

*Prerequisite: completion of the 3 credits of math required for graduation*

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.
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>
</tr>
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<tbody>
<tr>
<td>Introduction to Health &amp; Fitness</td>
</tr>
<tr>
<td>Health</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career and Technical Education Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutrition and Fitness 1 (CTF 401)</td>
</tr>
<tr>
<td>Nutrition and Fitness 2 (CTF 402)</td>
</tr>
<tr>
<td>Nutrition and Fitness 3 (CTF 210)</td>
</tr>
<tr>
<td>Physical Fitness Technician (CTF 107/108)</td>
</tr>
<tr>
<td>Biomedical Innovations (CTF 269/270)</td>
</tr>
<tr>
<td>Sports Medicine (CTF 211/212)</td>
</tr>
<tr>
<td>Human Body Systems (CTF 221/222)</td>
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<tr>
<td>Principles of the Biomedical Sciences (CTF 219/220)</td>
</tr>
<tr>
<td>Medical Interventions (CTF 267/268)</td>
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<tr>
<td>Introduction to Medical Careers 1 &amp; 2 (CTF 209/210)</td>
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</tbody>
</table>

**Introduction to Health & Fitness (HEF 111/112)**

*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 & Physical Education

Health (HEF 215/216)
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 105/106)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Introduction to Health & Fitness
Aerobics is designed to create a satisfactory level of physical fitness, improve the cardiovascular system, and promote well-being. Aerobic activities such as floor exercises, speed walking, step aerobics, cardio flex, running and hand weights are used.

Advanced Aerobics (HEF 361/362)
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 Health & Fitness and have received a “C” or better in Aerobics (HEF 105/106).
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 205/206)
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 Health & 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 207/208)
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 Health & 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.
Health & Physical Education

Advanced Weight Training (HEF 251/252/552)
Grade Level: 9, 10, 11, 12 (repeatable)
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled, or have taken, Introduction to Health & Fitness and Weight Training (HEF 207/208)
This course focuses on serious weight lifters. Activities are designed toward athletic training needs. Bench, squat, deadlift and power cleans are requirements.

Conditioning (HEF 103/104)
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 Health & Fitness.
This course is designed to teach student’s 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 252/253/554)
Grade Level: 9, 10, 11, 12
Credit: Physical Education, or Elective 0.5
Prerequisite: Must be currently enrolled or have already taken Introduction to Health & Fitness and Conditioning (HEF 103/104)
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.

The Health & Physical Education courses listed below are offered through the Career and Technical Education Department. Please see the CTE section beginning on page 16.

Nutrition and Fitness 1 & 2 (CTF 401/402)
Grade Level: 9, 10, 11, 12
Credit: Health, Physical Education, Occupational or Elective 1.0
Prerequisite: Teacher permission.
In this course, students will learn about the role nutrition plays in overall human health. The topics will cover information about nutritional needs, digestion, diet analysis, planning balanced meals, how to prepare nutritious foods through healthy cooking, health problems related to poor diet, safe and sanitary handling of food, nutrition careers, and how to plan a life-long fitness program. The focus is to help students learn how good nutrition and fitness affects health.
Health & Physical Education

Nutrition & Fitness 3 (CTF 210)
Grade Level: 9, 10, 11, 12
Credit: Health, Physical Education, Occupational/CTE or Elective 1.0
College Credit may be available; see note at beginning of Career/Technical Education Section - Fees
Students must take Nutrition & Fitness 1 prior to taking this course. It is the combination of these two classes that qualifies the student to earn health and PE credit. In this course, students will take an in-depth study of nutrients. The topics will cover information about nutritional needs, digestion, diet analysis, planning balanced meals, how to prepare nutritious foods through healthy cooking, health problems related to poor diet, safe and sanitary handling of food, nutrition careers, and how to plan a life-long fitness program. The focus is to help students learn how good nutrition and fitness affects health.

Physical Fitness Technician (CTF 107/108)
Grade level 10, 11, 12
Credit: Health, Physical Education, Occupational or Elective 0.5

Intro to Medical Careers 1 (CTF 209/210)
Grade Level: 9, 10, 11, 12
Credit: Health, Occupational, or Elective 0.5

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

Sports Medicine (CTF 211/212)
Grade Level: 10, 11, 12
Credit: Occupational, Health, or Elective 1.0
Prerequisite: Successful completion of Health Sciences 1

Biomedical Innovations (CTF 269/270)
Grade Level: 12
Credit: Health, Occupational/CTE, Lab Science or Elective 1.0  NCAA approved
Prerequisite: Medical Interventions

Child Development/Parenting 1 (CTF 205/206)
Grade Level: 9, 10, 11, 12
Credit: Occupational, Health, or Elective 0.5

Child Development/Parenting 2 (CTF 255/256)
Grade Level: 9, 10, 11, 12
Credit: Occupational, Health, or Elective 0.5

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

Army JROTC
Grade Level: 9, 10, 11, 12 @ GKHS
Year 1 (GEN 207/208) Year 2 (GEN 251/25A) Year 3 (GEN 252/25B) Year 4 (GEN 253/25C)
Credit: Physical Education, Occupational, or Elective 1.0 - Fees may apply

Air Force JROTC
Grade Level: 9, 10, 11, 12 @ BHS
Year 1 (GEN 209/210) Year 2 (GEN 254/25D) Year 3 (GEN 260) Year 4 (GEN 256/25F)
Credit: Physical Education, Occupational, CTSS 252 World Studies 1.0 or Elective 1.0 - Fees may apply

Navy JROTC
Grade Level: 9, 10, 11, 12 @ SLHS
Year 1 (GEN 211/212) Year 2 (GEN 257/25G) Year 3 (GEN 258/25H) Year 4 (GEN 259/25I)
Credit: Physical Education, Occupational, Elective - Fees may apply
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 Science Department is committed to the vision of the Next Generation Science Standards: all standards for all students. 9th grade students entering high school in fall 2019 (graduation class of 2023) will choose 1 of 3 science course sequences in order that all students have the opportunity to learn these standards:

9th Grade - Standard Sequence for 2019-20 only (6 trimesters=3 credits):

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology*</td>
<td>Other 1 trimester courses</td>
<td>Physics* A &amp; B</td>
<td>Other 1 trimester courses</td>
</tr>
<tr>
<td>A &amp; B 2 trimesters</td>
<td></td>
<td>2 trimesters</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Chemistry* A &amp; B 2 trimesters</td>
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<td></td>
<td></td>
<td></td>
<td>Other 1 trimester courses</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Optional science electives</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)

9th Grade - Alternative Biomedical Science Sequence (11 trimesters=5.5 credits)

<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</td>
<td>PBS Biology 2 trimesters</td>
<td>Human Body Systems 2 trimesters</td>
<td>Biomedical Interventions 2 trimesters</td>
</tr>
<tr>
<td>2 trimesters</td>
<td>1 trimester</td>
<td>1 trimester</td>
<td>1 trimester</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Physics in Medical Interventions</td>
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<td></td>
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<td></td>
<td>2 trimesters</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Biomedical Innovations 2 trimester</td>
</tr>
</tbody>
</table>

9th Grade - Alternative Environmental Science Sequence (12 trimesters=6 credits)

<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 trimesters</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chemistry A &amp; B 2 trimesters</td>
<td>AP Environ. Science 3 trimesters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 trimesters</td>
<td></td>
</tr>
</tbody>
</table>


Courses that Satisfy the Science Requirement
(Note: L = Lab Based Science Course, A = Algebra Based)

<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></td>
<td>AP Physics 2 - L, A</td>
</tr>
<tr>
<td></td>
<td>AP Physics C - L</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>
<td></td>
</tr>
<tr>
<td>Zoology - L</td>
<td></td>
</tr>
<tr>
<td>Marine Biology - L</td>
<td></td>
</tr>
<tr>
<td>Environmental Science - L</td>
<td>AP Environmental Science - L</td>
</tr>
<tr>
<td>The Biology of Addiction and the Brain - L</td>
<td></td>
</tr>
<tr>
<td>Forensic Science</td>
<td></td>
</tr>
</tbody>
</table>

**CTE Science Electives**

<table>
<thead>
<tr>
<th>Biomedical Innovations - L</th>
<th>AP Computer Science A - L</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>
### Principles of Biomedical Sciences - L

Landscape Management

### Conservation/Wildlife Biology 1 & 2

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 (SCI 205/206)

**Grade Level:** 10, 11, 12 (*9th Grade with school approval)*

**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 (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 (SCI 353/354)

Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science 1.0
Prerequisite: Students must have passed Algebra with a C or better, or have a teacher recommendation.

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 (SCI 463/464/565)

Grade Level: 11, 12
Credit: Algebra Based Lab Science or Elective 1.5
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 (SCI 355/356)

Grade Level: 9, 10, 11, 12
Credit: Lab Algebra Based Lab Science 1.0

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, waves, 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 (SCI 465/466/570)

Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science or Elective 1.5
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; mechanical waves and sound. It will also introduce electric circuits. 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 (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 and 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 (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 (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.

Earth Science (SCI 203/204)
Grade Level: 9, 10, 11, 12
Credit: Lab Science or Elective 0.5    NCAA approved
Prerequisite: None / Sophomores may only take this course if they are also taking Biology
This course deals with the study of earth and the environment. Topics include meteorology and space in an activity-oriented program. Other areas of study include maps, gravity, weather, oceans, mountains, volcanoes, and geology. Laboratory experiments emphasize inquiry, discovery, and interpretation of student obtained data.
Marine Biology (SCI 365/366)

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 357/358)

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 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 (SCI 201/202 and CTN 107/108)

Grade Level: 9, 10, 11, 12
Credit: Lab Science or Elective 1.0
NCAA approved
Prerequisite: None
Students use the scientific method to explore and understand the environment. Topics include the effects of pollution, global warming, laboratory studies and student-centered projects.

Advanced Placement Environmental Science (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. Due to the quantitative analysis that is required in this course, students should also have taken at least one year of algebra.
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.

Forensic Science (SCI 105/106)

Grade Level: 11, 12
Credit: Science or Elective 1.0
Prerequisite: Biology C or better
The Forensic science course is an introduction to the application of biological, chemical, and physical science principles and laboratory practices used in the study of justice of criminal and civil issues. Students will learn how to observe, collect, analyze and evaluate evidence found at crime scenes. Major themes of study in this course may include hair and trace analysis, fingerprinting, blood splatter, DNA analysis, toxicology, forensic anthropology and forensic entomology.
The Science courses listed below are offered through the Career and Technical Education Department.

**Advanced Placement Environmental Science (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 (CTT 401/402/505)**
Grade Level: 10, 11, 12
Credit: Algebra Based Lab Science, Occupational/CTE or Elective 1.5  NCAA approved
Prerequisite: Successful Completion of Advanced Algebra with a "C" or better and successful completion of Programming or teacher permission

**Conservation/Wildlife Biology 1 & 2 (CTN 101/102)**
Grade Level: 10, 11, 12
Credit: Occupational or Science or Elective .5
Prerequisite: successful completion of Conservation/Wildlife Biology 1 before taking Course #2
*Sophomores may only take this course if they are also taking Biology*

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

**Human Body Systems (CTF 221/222)**
Grade level: 10, 11, 12
Credit: Occupational, Lab Science Elective, Elective 1.0  NCAA approved

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

**Principles of the Biomedical Sciences (CTF 219/220)**
Grade level: 10, 11, 12
Credit: Occupational, Lab Science Elective, Elective 1.0 NCAA approved
*Sophomores may only take this course if they are also taking Biology.*

**Biomedical Innovations (CTF 269/270)**
Grade Level: 12
Credit: Health, Occupational/CTE, Lab Science or Elective 1.0  NCAA approved
Prerequisite: Medical Interventions
Medical Interventions (CTF 267/268)
Grade Level: 11, 12
Credit: Occupational/CTE, Science, Health, Lab Science or Elective 1.0 NCAA approved
Prerequisite: Successful completion of Biology or Principles of the Biomedical Sciences
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>Standard Courses</th>
<th>AP &amp; Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra 1</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>
<td></td>
</tr>
<tr>
<td>Statistics Principles in Sports and Activities</td>
<td></td>
</tr>
</tbody>
</table>

**Electives with Math Emphasis:**
Accounting 1 & 2, Accounting 3 & 4, Applied Math, Financial Fitness, Math Lab, and Principles of Engineering

**Standard, AP, and Advanced Mathematics courses are NCAA Approved. Exceptions are Bridge to College Math, and Electives with Math Emphasis.**
**Algebra 1 (MTH 103/104)**
*Grade Level: 9, 10, 11, 12*
*Credit: Mathematics 1.5  NCAA approved*
This 3 trimester course engages students in the Common Core Mathematical 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)**
*Grade Level: 9, 10*
*Credit: Mathematics 103/104 Algebra 1.5 & Mathematics Elective 101/102 Lab .5*
*Prerequisite: Placement in is based on student need with teacher approval. NCAA Approved.*
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.

**Modeling Our World with Mathematics (MTH 363/364 WA0009 OSPI-provided code)**
*Grade: 11, 12*
*Credits: 1.0  Mathematics (qualifies as 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.
Geometry/Advanced Algebra (MTH 155/156)

Grade Level: 9, 10
Credit: Mathematics 1.0  NCAA approved
Prerequisite: Algebra.
This course is strongly aligned with Common Core State Standards for Mathematics Content and Practices for Geometry and Advanced Algebra. It will cover the essential content and skills to prepare students for advanced coursework using classroom and at home and online learning. Extensive work will be required outside the classroom.

Advanced Algebra (MTH 253/254)

Grade Level: 9, 10, 11, 12
Credit: Mathematics or Elective 1.0  NCAA Approved
Prerequisite: Algebra I, Applied Algebra with C or better or teacher approval. Advanced Algebra deepens the work of Algebra 1—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.

Statistics Principles in Sports and Activities (MTH 207)

Grade Level: 10, 11, 12
Credit: Elective .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.
**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: 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.*

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 science, 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.*

*University of Washington College Credit Available - Credit fee paid to University of Washington*

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.*
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.

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

**Accounting 1&2** (CTB 201)

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

*Credit: Mathematics, Occupational, Elective 1.0*
College Credit Available

**Accounting 3 & 4 (CTB 361)**
Grade Level: 10, 11, 12
Credit: Occupational, Elective 1.0
Prerequisite: Successful Completion of Accounting 1&2
College Credit Available

**Financial Fitness (CTB 305/306)**
Grade Level: 11, 12
Credit: Mathematics, Occupational, Elective 1.0,
Prerequisite: Successful completion of Algebra 1 or Applied Algebra 1.

**Principles of Engineering (CTM 259/25C)**
Grade Level: 10, 11, 12
Credit: Occupational, or Elective 1.0
Prerequisite: Successful Completion of Intro to Engineering Design. College Credit Available (through testing)

**Applied Math (CTM 279/280)**
Grade Level: 9, 10, 11, 12
Credit: Mathematics, Occupational, Elective 1.0
Prerequisite: Algebra 1 / Applied Algebra with C or better or teacher approval
Prerequisite: Successful Completion of Intro to Engineering Design. College Credit Available (through testing)

**Applied Math (CTM 279/280)**
- **Grade Level:** 9, 10, 11, 12
- **Credit:** Mathematics, Occupational, Elective 1.0
- **Prerequisite:** Algebra 1 / Applied Algebra with C or better or teacher approval
Social Studies

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

<table>
<thead>
<tr>
<th>Courses that Satisfy the Social Studies Credit Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Sequence</strong></td>
</tr>
<tr>
<td>9th - no required course</td>
</tr>
<tr>
<td>10th - World Studies (2 trimesters)</td>
</tr>
</tbody>
</table>
| 11th - U. S. Studies (2 trimesters) | 11th - Honors U.S. Studies (2 trimesters)  
| | 11th - AP U.S. History (3 trimesters) |
| 12th - Economics (1 trimester)  
| Civics (1 trimester) | 12th - AP Government and Politics: US  
| | 12th - AP Government and Politics: Comparative  
| | *(each course is a 3 trimester course that satisfies the civics credit graduation requirement)*  
| | 12th Honors Economics (1 trimester) |

**Social Studies Electives**

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</thead>
<tbody>
<tr>
<td>Ancient Humanities</td>
<td>AP European History</td>
</tr>
<tr>
<td>Contemporary World Issues</td>
<td>AP Human Geography</td>
</tr>
<tr>
<td>Modern Humanities</td>
<td>AP Macroeconomics</td>
</tr>
<tr>
<td>Psychology</td>
<td>AP Microeconomics</td>
</tr>
<tr>
<td>Social Justice</td>
<td>AP Psychology</td>
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<tr>
<td>Sociology</td>
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**All Social Studies courses are NCAA Approved**

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\(^1\) 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

Economics (SST 101/102)
Grade Level: 9, 10, 11, 12
Credit: Social Studies or Elective 0.5  
NCAA Approved
Economics focuses on Microeconomics and Personal Finance. Specific topics include, but are not limited to, economic systems and decision-making, business organizations, supply and demand, prices, market structures, wages and labor disputes, employment trends and issues, poverty and distribution of income, and personal finance.

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.

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.
Social Studies

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.

Honors U.S. Studies (SST 251/252)
Grade Level: 10
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 time in United States history will be the themes of change, national identity, power, authority and governance and global connections. Students will use the information to broaden their understanding of issues of the day. Participants will read appropriate literature, write analysis and research papers and develop presentation skills.

Advanced Placement U.S. History (SST 471/472/573)
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 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 201/202)
Grade Level: 9, 10, 11, 12
Credit: Social Studies 0.5      NCAA approved
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      NCAA approved
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 government works.
Social Studies

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

SOCIAL STUDIES ELECTIVES

Contemporary World Issues (SST 401/402)
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 .05 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.
Social Studies

Psychology (SST 303/304)
Grade Level: 10, 11, 12
Credit: Social Studies or Elective 1.0  
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, 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 307/308)
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.
Social Studies

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 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.
Special Services

The courses listed below are available to all students who meet state eligibility criteria for special education. Classes will be assigned based on individual student needs and the Individualized Education Plan (IEP) process. The special education department goal is to provide an individually designed program for each student to meet his or her needs in accord with the IEP. Emphasis is on training in daily life skills, vocational skills, self-management skills, basic academic skills, and providing support in required courses. Some of these courses may be used towards graduation requirements.

Special Services English Language Arts

English Language Arts LAB 9 (SPE 101/102)

*Grade Level: 9*

*Credit: English Language Arts 1.0*

*Prerequisite: IEP Team Recommendation*

This course provides an alternate means to achieve a 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 LAB 10 (SPE 201/202)

*Grade Level: 10*

*Credit: English Language Arts 1.0*

*Prerequisite: IEP Team Recommendation*

This course provides an alternate means to achieve a 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, 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 choice for meaning and style. Students work toward meeting standard on the Common Core 9-10 grade specific standards.

English Language Arts LAB 11 (SPE 301/302)

*Grade Level: 11*

*Credit: English Language Arts 1.0*

*Prerequisite: IEP Team 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 more substantive topics. Students work toward meeting standard on the Common Core 11-12 grade specific standards.
**English Language Arts LAB 12 (SPE 401/402)**  
*Grade Level: 12*  
*Credit: English Language Arts 1.0*  
*Prerequisite: IEP Team 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 of 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 standard on the Common Core 11-12 grade specific standards. There is also a focus on improving self advocacy and self-exploration skills.

**Special Services Reading (SPR 101/102)**  
*Grade Level: 9, 10, 11, 12 repeatable*  
*Credit: Elective 0.5*  
*Prerequisite: IEP Team Recommendation*  
This course is designed to provide remedial instruction for students whose progress in the general education classroom is significantly impacted in the area of reading. Topics include: determine a central idea of a text and analyze its development over the course of the text, including its relationship to supporting ideas; provide an objective summary of the text. The overall objective of the program is to have each student improve skills as rapidly as possible with the goal of achieving at a level appropriate for actual grade placement. The course content varies according to individual student needs. The course supports students in general education science and social studies courses.

**Special Services Reading (SPR 201/202, 301/302)**  
*Grade Level: 9, 10, 11, 12 repeatable*  
*Credit: Elective 0.5*  
*Prerequisite: IEP Team Recommendation*  
This course is designed to provide remedial instruction for students whose progress in the general education classroom is significantly impacted in the area of reading. Topics include: determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the cumulative impact of specific word choices on meaning and tone (e.g., how the language of a court opinion differs from that of a newspaper). The overall objective of the program is to have each student improve skills as rapidly as possible with the goal of achieving at a level appropriate for actual grade placement. The course content varies according to individual student needs. The course supports students in general education science and social studies courses.
Special Services Mathematics

Pre-Vocational Math 1 (SPM 103/104)

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

*Credit: Mathematics 1.0*

*Prerequisite: IEP Team 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 evaluate 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.

Special Services Math 1 (SPM 101/102)

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

*Credit: Mathematics 1.0*

*Prerequisite: IEP Team 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.

Special Services Math 2 (SPM 201/202)

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

*Credit: Mathematics 1.0*

*Prerequisite: IEP Team 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 multiply multi-digit whole numbers using the standard algorithm.

Special Services Math 3 (SPM 203/204)

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

*Credit: Mathematics 1.0*

*Prerequisite: IEP Team Recommendation Placement*

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 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.
**Special Services Math 4 (SPM 205/206)**
*Grade Level: 9, 10, 11, 12 repeatable*
*Credit: Mathematics 1.0*
**Prerequisite: IEP Team Recommendation Placement**
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?

**Special Services Math 5 (SPM 207/208)**
*Grade Level: 9, 10, 11, 12 repeatable*
*Credit: Mathematics 1.0*
**Prerequisite: IEP Team Recommendation Placement**
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).

**Special Services Math 6 (SPM 209/210)**
*Grade Level: 9, 10, 11, 12 repeatable*
*Credit: Mathematics 1.0*
**Prerequisite: IEP Team Recommendation Placement**
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: 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.

**Special Services Financial Fitness (SPM 301/302)**
*Grade Level: 12*
*Credit: Mathematics 1.0*
**Prerequisite: Resource Room Math 11th Grade and IEP Team Recommendation Placement**
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 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 Special Services Social Courses – Limited Access**

**Special Services Washington State History (SPS 101/102)**
*Grade Level: 9, 10, 11, 12*
*Credit: Social Studies 1.0*
*Prerequisite: IEP Team 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.

**Special Services World Studies (SPS 201/202)**
*Grade Level: 10, 11, 12*
*Credit: Social Studies 1.0*
*Prerequisite: IEP Team 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.

**Special Services US History (SPS 203/204)**
*Grade Level: 9, 10, 11, 12*
*Credit: Social Studies 1.0*
*Prerequisite: IEP Team 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 basic features of United State History during he 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.

**Special Services Civics (SPS 401/402)**
*Grade Level: 10, 11, 12*
*Credit: Social Studies 0.5*
*Prerequisite: IEP Team Recommendation*

This course provides an alternate means to achieve an American Government credit. The curriculum is a modified version of 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.
**Special Services Health and Fitness  (SPH 101/102/505)**

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

*Credit: Health and Fitness 1.0*

*Prerequisite: IEP Team 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 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.

**Special Services Social Skills  (SPG 109/110)**

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

*Credit: Elective 0.5*

*Prerequisite: IEP Team Recommendation*

This course provides a means to achieve an 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.

**Special Services Social/Behavior Skills  (SPG 203/204)**

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

*Credit: Elective 1.0*

*Prerequisite: IEP Team 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 relationship, dealing with conflict) crisis (chemical dependency, verbal and physical aggression).
Special Services Transition Program Courses

Special Services Career Explorations  (SPV 201/202)
Grade Level:  10, 11, 12 repeatable
Credit:  Occupational 0.5
Prerequisite: IEP Team Recommendation
This course provides a means to achieve an 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.

Special Services Pre-Vocational Skills  (SPV 105/106)
Grade Level:  9, 10, 11, 12 repeatable
Credit:  Occupational 0.5
Prerequisite: IEP Team Recommendation
This course provides a means to achieve an 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.

Special Services Vocational Skills  (SPS 107/108)
Grade Level:  9, 10, 11, 12 repeatable
Credit:  Occupational 0.5
Prerequisite: IEP Team Recommendation
This course provides a means to achieve an 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 consistent and successful application of vocational skills such as sustained attention, task completion and following instructions and schedules when given in multiple venues.

Special Services Community Living  (SPV 203/204)
Grade Level:  10, 11, 12 repeatable
Credit:  Occupational .5
Prerequisite: IEP Team Recommendation
This course provides a means to achieve an 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.
Special Services Transition (SPS 209/210)

Grade Level:  10, 11, 12 repeatable
Credit:  Occupational / Elective .5

Prerequisite: IEP Team Recommendation

This course provides a means to achieve an 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 repair, renting an apartment, options for living on your own and exploration of leisure skills.
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

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: 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: 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: 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: 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.
The Visual and Performing Arts

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 155/15E)
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 156/15F)
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 independent. This ensemble is active at school performances, various community, regional/state festivals and competitions. See individual school group requirements.

Bass Choir (MUS 205/206)
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)
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.
The Visual and Performing Arts

Select Treble Choir (MUS 157/158)
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.

Orchestra (MUS 111/112)
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.

Chamber Orchestra (MUS 211/212)
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 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 151/15A)
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.
The Visual and Performing Arts

**Symphonic Band (MUS 152/15B)**

*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 154/15D)**

*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 153/15C)**

*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 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)**

*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 163/164/573)**
The Visual and Performing Arts

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 251/252/575)
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 players skills enabling them to succeed in a variety of musical situations and to appreciate various styles of music.

Musical Performance (MUS 175/176)
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 475/476)
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.
The Visual and Performing Arts

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 203/204)

Grade Level: 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Membership in high school instrumental or vocal ensemble OR demonstration of intermediate-level piano skills OR completion of 1st semester of AP Music Theory.
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 111/112)

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 161/162)

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.
The Visual and Performing Arts

**Improvisational Theatre (ART 207/208)**
*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 113/114)**
*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 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 361/362)**
*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 101/102)**
*Grade Level: 9, 10, 11, 12 repeatable*
*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 studies in conjunction with current careers in art.

**Drawing, Painting, and Cartooning (ART 155/156)**
*Grade Level: 9, 10, 11, 12 repeatable*
*Credit: Fine Arts or Elective 0.5*
*Prerequisite: Art Survey or teacher approval. - Fees may apply*

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 115/116)**
The Visual and Performing Arts

Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5 - Fees may apply
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 165/166)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Drawing or teacher approval. Fees may apply
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 201/202)
Grade Level: 9, 10, 11, 12
Credit: Fine Arts or Elective 0.5
Prerequisite: Drawing or teacher approval. Fees may apply
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 267/268)
Grade Level: 9, 10, 11, 12 repeatable
Credit: Fine Arts or Elective 0.5
Prerequisite: Drawing, Painting, or teacher approval. Fees may apply
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 151/152)
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 263/264)
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 their
The Visual and Performing Arts

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 153/154)**
*Grade Level: 9, 10, 11, 12*
*Credit: Fine Arts or Elective 0.5 - Fees may apply*

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 163/164)**
*Grade Level: 10, 11, 12 repeatable*
*Credit: Fine Arts or Elective 0.5*
*Prerequisite: Sculpture or Teacher Approval - Fees may apply*

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 Studio Art (ART 363/364)**
*Grade Level: 10, 11, 12 repeatable  Credit: Fine Arts or Elective 0.5*
*Prerequisite: C or better in previous visual arts course or teacher approval. Fees may apply – Refer to fee for area of specialty’*

Motivated students have the opportunity to continue developing their skills in a chosen area of specialty. Students must be responsible and able to work independently on a contract basis. Personal expression and development of technical expertise are encouraged. Study of master artists and historical styles are included. Weekly individual critiques and a culminating student show are required. 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*
*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
The Visual and Performing Arts

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 463/464/565 or CTA 461/462/563)**
Grade Level: 10, 11, 12 repeatable  
Credit: Occupational, Fine Arts or Elective 1.5  
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  
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 201/202)**
Grade Level: 9-12  
Credit: Occupational, Fine Art, or Elective 0.5

**Digital Photography 2 (CTA 255/256)**
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 253/254)**
Grade Level: 9, 10, 11, 12 repeatable  
Credit: Occupational or Fine Arts or Elective 0.5

**Advanced Placement Studio Art 2D Design (CTA 262/263)**
Grade Level: 11,12 repeatable  
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
The Visual and Performing Arts

Metals/Jewelry & Design 2 (CTA 261262)
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 103/104)
Grade Level: 9, 10, 11, 12
Credit: Occupational, Fine Art or Elective 0.5

Video Productions 2 (CTT 163/164) 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.
**World Languages**

***For admission to four-year colleges/universities, two years of the same language are required. This is also a high school graduation requirement unless your personal pathway plan indicates different course options. ***

**American Sign Language**

American Sign Language 1st Year (ASL 201/202)
*Grade Level: 9, 10, 11, 12*
*Credit: Elective 1.0 - NCAA approved*
*College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply*

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 2nd Year (ASL 251/252)
*Grade Level: 10, 11, 12*
*Credit: Elective 1.0 - NCAA approved*
*Prerequisite: Successful completion of Sign Language 1 with a grade of “C-” or better.*
*College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply*

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 3rd Year (ASL 351/352)
*Grade Level: 11, 12*
*Credit: Elective 1.0 - NCAA approved*
*Prerequisite: Successful completion of Sign Language 2 with a grade of “C-” or better.*
*College Credit may be available; see note at beginning of Career/Technical Education Section - Fees may apply*

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.
French

French 1st Year (WLF 101/102)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0  NCAA approved
In this beginning class, students are introduced to French language and 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 the French culture.

French 2nd Year (WLF 251/252)
Grade Level: 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 (WLF 351/352)
Grade Level: 11, 12
Credit: Elective 1.0  NCAA approved
Prerequisite: French 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 French culture.

French 4th Year (WLF 451/452)
Grade Level: 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 the French culture.
German

German 1st Year (WLG 101/102)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0  NCAA approved
In this beginning 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 the German culture.

German 2nd Year (WLG 251/252)
Grade Level: 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 the German culture.

German 3rd Year (WLG 351/352)
Grade Level: 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 the German culture.

German 4th Year (WLG 451/452)
Grade Level: 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 the German culture.
Japanese

Japanese 1st Year (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 (WLJ 251/352)
Grade Level: 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 (WLJ 451/452)
Grade Level: 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 (WLJ 461/462)
Grade Level: 12
Credit: Elective 1.0  NCAA approved
Prerequisite: Japanese 3rd Year with a grade of “C-” or better
This course builds on students 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).
Spanish

Spanish 1st Year (WLS 101/102)
Grade Level: 9, 10, 11, 12
Credit: Elective 1.0  NCAA approved
In this beginning class, students are introduced to 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 (WLS 251/252)
Grade Level: 10, 11, 12
Credit: Elective 1.0  NCAA approved
Prerequisite: Spanish 1st Year with at 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 (WLS 351/352)
Grade Level: 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 (WLS 451/452)
Grade Level: 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 (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 (WLS 461/462)**

*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 workload. 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.