

Entiat High School

# 2009-10 Course Offering Guide

3/19/2009



# CURRICULUM GUIDE

## INTRODUCTION

The purpose of this guide is to help plan for four years in high school. One of the challenges for students and parents in Entiat is to make the best possible educational plan. A good education includes a selection of subjects to fit future plans, regular attendance and a balance of academic and extra curricular activities.

It is important to have a long-range plan. The plan may be revised annually in the spring when preparing for next year. Generally, a person would revise the plan if his/her goals have changed. Perhaps you will find that you have strength in an area that didn't stand out before. You might decide that being an engineer isn't a realistic goal if you have difficulties in your math classes.

Planning your subject choices with your parents, teachers and counselor is important. Study this guide carefully. Read what each course consists of. The advice of friends can be helpful, but remember that the future plans and interests of your friends may not be the same as yours.

### **Before you plan the electives, consider the following:**

Remember the graduation credits are only the minimum requirements and once you have planned what is required in English, social studies, etc., additional credits in those areas are considered electives. For example 2 credits of science are required for graduation. If you take another credit of science after meeting graduation requirements, that credit would be an elective.

### **Current plans after High School and what are the requirements and classes you will need to be prepared?**

- **College?**

#### **Four Year College (right out of high school)**

A good place to start in planning for college (after planning for the graduation requirements) is to take into account the requirements of the Washington State Higher Education System (WSU, U of W, Eastern, Western and Central). For those schools you will need to complete at least the minimum requirements for public and four-year colleges and universities from the chart below.

#### **Community College (college transfer program or a career-related degree)**

In addition to graduation requirements, consider more math, science, structured work experience, and electives in your career area of interest. For a community

college transfer program, plan as a four-year college preparatory program. You want to be as prepared as possible.

- **Straight Into the World of Work or the Military?**

In addition to graduation requirements, consider more math, science, structured work experience, and electives in your career area of interest.

## GRADUATION REQUIREMENTS

The minimum requirements for graduation from Entiat High School are set by the State of Washington with additional requirements determined by the Entiat School Board.

Subject	Minimum state graduation requirements	Minimum requirements for your school district*	Minimum requirements for public, four-year colleges and universities**	Recommended courses for highly selective colleges and universities
<b>English</b>	3 credits	4 credits	4 years	4 years
<b>Math</b>	2 credits	3 credits	3 years***	3-4 years***
<b>Science</b> (one must be a lab)	2 credits	2 credits	2 years	3-4 years
<b>Social Studies</b> (including U.S. and Washington state history)	2.5 credits	2.5 credits 3.5 credits (2011)	3 years	3-4 years
<b>World language</b> (same language)	0 credits	0 credits	2 years	3-4 years
<b>Visual or performing arts</b>	1 credit	1 credits	1 year	2-3 years
<b>Health and fitness</b>	2 credits	2.5 credits	* Your school's requirements may be higher than the state minimums. ** Students must have a minimum 2.00 grade point average. *** Must be Algebra II or higher.	
<b>Occupational education</b>	1 credit	2 credits		
<b>Electives</b>	5.5 credits	10 credits 9 credits (2011)		
<b>Total</b>	19 credits	27 credits		

## **Additional Non-Credit Requirements (beginning with the Class of 2008)**

Earning a Certificate of Academic Achievement by:

1. Meeting or exceeding standards of the Washington Assessment of Student Learning.
2. Completion of a Culminating Project in accordance with district guidelines found in School Board Policy 2410 and 2410P
3. Completion of a High School +Education Plan in accordance with district guidelines found in School Board Policy 2410 and 2410 P.

## **REQUIRED CLASSES**

### **9<sup>TH</sup> GRADE**

English

Washington State History (.5 Credit)

Science

Math

Health (.5 Credit)

### **10<sup>th</sup> GRADE**

English

World History (beginning with the class of 2011)

Science

Math

### **11<sup>th</sup> GRADE**

English

U.S. History (beginning with the class of 2011)

Math

### **12<sup>th</sup> GRADE**

English

Contemporary World Problems

**PLEASE NOTE:** Once subject area graduation requirements are fulfilled, classes will automatically count as “electives.”

## **Additional Credit Opportunities**

### Online & Web-based Courses:

Many colleges and universities offer online courses in most content areas.

These fee-based online courses are paid for by the students.

### PASS Program:

The Portable Assisted Study Sequence (PASS) Program offers fully accredited high school courses that can be completed by a student semi-independently. By completing PASS courses, a student makes up credit deficiencies, catches up with peers, and is encouraged to continue and graduate. Each course is shipped from Sunnyside, Washington as a fully self-contained packet. Tests are administered locally and scored by SEMY staff. Grade reports and transcripts are issued. These fee-based courses are paid for by the students.

### SKILLSOURCE LEARNING CENTER

High School Catch Up and credit retrieval. These fee-based courses are paid for by the students.

### HIGH SCHOOL ATHLETIC PARTICIPATION

Entiat School Board Policy 2410 states that one half of a high school credit may be earned toward the Fitness requirement or an elective credit by participation in a competitive high school athletic season. A student may receive half credit only once for a particular sport.

## AGRICULTURAL EDUCATION

### Ag Science 1 (9-10)

1 Credit (Vocational or Science)

A program that focuses on the general principles and practice of agricultural research and production that may prepare individuals to apply this knowledge to the solution of practical agricultural problems. Includes instruction in basic animal, plant, and soil science; animal husbandry and plant cultivation; soil conservation; and agricultural operations such as farming, ranching, and agricultural business.

### Ag Science 2 (10-12)

1 Credit (Vocational or Science)

Prerequisite: Ag Science 1

Ag Science 2 is designed to be the continuation of a sequence of Ag Science courses that introduce the student to various areas of study and vocational opportunities.

### Ag Mechanics 1 (9-10)

1 Credit (Vocational)

This class is divided into two areas of mechanics—a basic competency welding section and a basic power mechanics section. The class is designed to teach basic shop safety, basic shop skills, welding with electric arc, metal inert gas (MIG), oxy-acetylene welding, cutting, and brazing, oxy-propane cutting, as well as proper use of grinders, wire wheels, metal cutting saws, the principles of electrical power, mechanics of power transfer and the various engines used in our industrial society. Each student will be required to complete a basic diagnosis and repair of a small gas powered engine.

The class is designed as a competency based class where students are required to master a skill before progressing on to the next lesson. Students must attend class to be able to complete the lessons in an appropriate manner. Daily grading may be used to aid in student progress. Grades will be based upon class participation and mastery of the skills and knowledge necessary to complete assigned tasks.

### Ag Mechanics 2 (10-12)

1 Credit (Vocational)

Prerequisite: Ag Mechanics 1

Advanced Agricultural Mechanics is designed to be the continuation of a sequence of mechanics courses that introduce the student to various areas of study and vocational opportunities. The course curriculum consists of units of study in metal fabrication, computer aided design, electrical and power mechanics and automotive. Students will be required to complete various projects. Safe practices in all areas will be a priority.

### Horticulture 1 (10-12)

1 Credit (Vocational)

A program that focuses on the scientific principles related to the cultivation of garden and ornamental plants, including fruits, vegetables, flowers, and landscape and nursery crops. Includes instruction in specific types of plants, such as citrus; breeding horticultural varieties; physiology of horticultural species; and the scientific management of horticultural plant development and production through the life cycle.

### Turf Management 1 (11-12)

1 Credit (Vocational)

A program that focuses on turf grasses and related groundcover plants and prepares individuals to develop ornamental or recreational grasses and related products; plant, transplant, and manage grassed areas; and to produce and store turf used for transplantation. Includes instruction in applicable plant sciences, genetics of grasses, turf science, use analysis, turf management, and related economics.

### Turf Management 2 (11-12)

1 Credit (Vocational)

Prerequisite: Turf Management 1

Turf Management 2 is designed to be the continuation of a sequence of Turf Management courses that introduce the student to various areas of study and vocational opportunities.

## **ART**

### High School Art (9-12)

1 Credit (Fine Arts)

This course explores art concepts, history and vocabulary. Students will learn to express themselves through a variety of mediums including sculpture, watercolor, charcoal, pen and ink, tempera and acrylic paint, paper mache' and ceramics.

## **Career & Technical Education Program Descriptions**

### Accounting (10-12)

1 Credit (Vocational or Math)

Prerequisite: Comp. Applications

Students learn about careers in accounting through hands-on application and electronic (automated) accounting. This course is designed to show students how basic accounting principles provide the necessary background for a wide variety of office jobs and personal needs. Students will learn the complete accounting cycle for a service and merchandising business involving sole proprietorships, partnerships and corporations, multicolumn and special journals, controlling accounts, contra-accounts, subsidiary ledgers and financial statements.

This advanced class is articulated with the Wenatchee Valley College and students can earn up to 10 college credits for completing the class with a B or better.

### Yearbook (10-12)

1 Credit (Vocational)

Prerequisite: Computer Applications & Digital Design

Students will learn beginning journalism, journalism laws and ethical issues. The staff will work with every aspect of producing a yearbook – selling ads, creating & placing ads, designs and layouts, writing copy and captions, photography, modifying photos, time management, organizational skills, and much more. The staff will be responsible for producing a yearbook for both the junior/senior high school and elementary school.

### Computer Applications (9-12)

1 Credit (Vocational)

The focus of this class is to teach students through hands-on activities how to use computer software. Formatting is reviewed, then we move on to ‘special’ skills using Microsoft Office – Word, Excel, PowerPoint, Access, and FrontPage, then move on to sample Adobe Photoshop and PageMaker, and do some in Macromedia Studio. This program is articulated with Wenatchee Valley College and the students are eligible to receive 5 college credits for completing the program with a B or better.

### Technical Math (10-12)

1 Credit (Vocational or Math)

Prerequisite: CORE Math or Tech Math 9

This curriculum was developed by NASA for engineers. This class is open to sophomore-senior students. The curriculum provides for hands-on learning and the students use Algebra, Geometry and Trigonometry skills to solve every-day situations, and learn that math really is a part of their everyday lives.

### Career Choices/Work-Based Learning (11-12)

1 Credit (Vocational)

Prerequisite: Student must be Junior/Senior level and be currently employed or by permission of instructor

Students learn about their rights and responsibilities as employees and how to be better employees. The students complete a résumé, application, cover letter and thank you letter as well as obtain references. They learn about personal finance and how to budget

their time and money. This is a great opportunity for students to earn money while earning high school credits.

### Digital Design (9-12)

1 Credit (Vocational)

Prerequisite: Computer Applications

A fun course where students learn the principles of graphic design and how to build a website for a client. We use Macromedia Studio MX programs to learn how to create buttons and images, change images, and create and export their own graphs that can be used on a web page. The final projects include staff web pages, graduation video and other graduation tributes using graphic design. This is a good course to help students understand the importance of a portfolio and doing their best work. This program is articulated with the Wenatchee Valley College and students completing the course are eligible to earn 5 college credits with a B or better final grade.

## **CONSTRUCTION**

### Construction 1 (9-12)

1 Credit (Vocational)

This course will acquaint students with proper use and safety of hand and power tools. Tests on general lab practices and procedures are required. An introduction to problem solving, wood joint construction, and project design will be offered. Students will be expected to complete required assignments. Good judgment by the student to decide on proper procedures for the task at hand in the most efficient and safe manner will be evaluated daily.

### Construction 2 (9-12)

1 Credit (Vocational)

Prerequisite: Construction 1

Construction during the various phases of primarily residential homes and other structures will be studied. This will include the practices of layout, framework, walls, stairs, and roofs. Depth of instruction will depend on the students' knowledge and skill. Proper safety practices of hand and power tools and machines are required. Required projects and assignments will be given. Problem solving and creative design will be a major emphasis as well as in depth construction practices. Good judgment by the student

to decide on proper procedures for the task at hand in the most efficient and safe manner will be evaluated daily.

## **ENGLISH**

### English 9

1 Credit (English)

Emphasis is placed on learning to write using six trait writing skills and learning to analyze and evaluate. The preparation of the student portfolios begins at this grade level along with the opportunity to explore career choices and improve study habits. The 9<sup>th</sup> grade language Essential Learnings are also covered in this course.

### English 10

1 Credit (English)

Prerequisite: 1 credit in English 9; 10<sup>th</sup> Grade status

Through the use of novels, short stories and speeches the students continue to expand on their writing and communication skills. The students continue with portfolio development and begin to examine career choices a bit more in depth. Using W.O.I.S. the students select a career, explore and develop a paper on their chosen career.

### English 11

1 Credit (English)

Prerequisite: Successful completion of English 9 and English 10; 11<sup>th</sup> Grade status

The world of Work begins to have special meaning for the juniors. Guest speakers, a half day job shadow, portfolio update and presentation, and career exploration are emphasized during this year. Students learn the importance of technical writing for the workplace through the use of short stories, novels and other forms of literature. Various group and individual projects help students develop time management skills and cooperative learning skills.

## English 12

1 Credit (English)

Prerequisite: Successful completion of English 9, 10 and 11; 12<sup>th</sup> Grade Status

The completion of a 20 hour job shadow a career research paper and a 20 minute senior presentation are the high points of the students' senior year. In addition the students will complete their senior portfolio. Technical writing skills are developed through the use of short stories and novels and students improve their communication skills in a variety of ways. The course is designed to better prepare both college bound and non-college bound students for life after high school.

## College Prep English (11<sup>th</sup> and 12<sup>th</sup> Grade)

1 Credit (English)

Prerequisite: Grade of B or higher in English 10; teacher approval.

This class is designed for the above average English student who is planning to attend college after graduation. They too will complete a mentorship, research paper and senior presentation. In addition, the curriculum emphasizes reading, writing, poetry, Ancient literature, short stories and essay test taking. Time is spent for S.A.T. preparation and writing college entrance essays.

## Creative Writing (11<sup>th</sup> and 12th Grade)

1 Credit (English or Elective)

This class is a literature based course for students who love to write and are willing to do what is necessary to become better writers. Students explore the discipline of creative writing by reading and discussing models of good fiction and poetry, by completing a series of writing challenges designed to help them improve their craft, and by helping one another grow as writers as they work in revision groups. Publication in some form is one goal for all writers in this class.

### American Literature (11<sup>th</sup> and 12<sup>th</sup> Grade)

1 Credit (English or Elective)

This class is a historical survey of the literature of the past century. Students will explore how national and international events helped shape these high interest literary pieces and apply their knowledge to the class discussions and writing assignments. Featured authors may include John Steinbeck, J.D. Salinger, Arthur Miller, and Michael Dorris. Students will have many opportunities to develop and practice their skills through a variety of reading, writing, speaking and listening activities.

## **FAMILY AND CONSUMER SCIENCES**

### Foods (9-12)

1 Credit (Vocational)

This year long class includes units on nutrition, food safety, preparation, regional and world cuisine and food careers. Students participate in weekly cooking labs.

### Independent Living (11-12)

1 Credit (Vocational)

The focus of this class is to prepare students to live independently after high school. Units of study include housing, dating, marriage, financial management, single living, and consumer education.

## FOREIGN LANGUAGE

### Spanish 1 (9-12)

1 Credit (Elective)

Prerequisite: Teacher Approval

Spanish 1 is a course designed to teach students to understand, speak, read and write Spanish. The people and cultures of Spanish-speaking countries will also be examined to better understand the world around us.

### Spanish II (10-12)

1 Credit (Elective)

Prerequisite: Spanish 1; teacher approval

Spanish II is designed to continue teaching students to understand, speak, read and write Spanish. The countries and people of Latin America and Spain will be further explored. **A.P. Option- A differentiated curriculum is available for students wishing to follow the AP track and prepare for the AP Test.**

### ESL

1 Credit (Elective)

A full year course designed to teach students to communicate in simple English in the four areas of listening, speaking, reading, and writing.

## GENERAL OFFERINGS

### Teacher Aide

.5 or 1 Credit (Elective)

Prerequisite: 11<sup>th</sup> or 12<sup>th</sup> grade status; permission of the administration

The aides help the teacher in clerical and physical preparations of a course such as: preparing bulletin boards, correcting papers, running A-V equipment, and assisting in tutoring students who may be having difficulty in the respective class. Typing ability and prior enrollment in the course for which the student is an aide may be beneficial.

This course is graded Pass/Fail

### Peer Tutor

.5 or 1 Credit (Elective)

Prerequisite: 11<sup>th</sup> or 12<sup>th</sup> grade status; permission of the administration; B or better in the class to work in.

The aide would help students under the direction of the teacher of the class. This course will be graded.

### Leadership (10-12)

1 Credit (Elective)

Prerequisite: ASB officer, class officer or teacher approval

“Connecting kids to school, peers, adults, community and life by providing places for them to belong.”

The Leadership Class is a semester long course open to 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students who desire to develop leadership skills and work toward a positive school climate. This will be accomplished by involvement in classroom lessons and activities, student government, student and staff recognition programs, student activities and school/community service.

This course has two parts: Leadership development and activities. You will develop leadership skills through direct participation in the planning, implementing and assessing

of a variety of student and staff activities, as well as through teacher led discussions on topics such as goal-setting, communication, decision-making, leadership styles, money management and meeting skills.

#### Course Goals

- To develop responsibility, self-esteem, initiative, creativity, leadership and school pride.
- To allow students to participate in, or manage, co-curricular affairs.
- To encourage productive student-faculty relationships.
- To develop positive school/community relationships and peer/peer relationships.

#### Sociology

.5 Credit (Elective); 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> grade status

This course is designed to explore the study of human social behavior and the development of human society. Examples of areas examined are: the hierarchy of social structures, family interactions, group dynamics, and how we, as individuals, fit in.

#### Psychology

.5 Credit (Elective); 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> grade status

A beginning course to explore what psychology is and how it answers the needs of our rapidly changing complex society. Examples of areas examined are: how individual personalities are developed, how we learn, intelligence, mental illness, special psychological problems (suicide, anorexia, autism, etc.), discrimination, advertising and parapsychology.

# HISTORY

## Washington State History

.5 Credit (History)

The main thrust of this Washington State History class will be to bring the student to a point of analyzing rather than paraphrasing, criticizing rather than summarizing and creatively weaving a narrative out of facts. In effect the student will become aware of different ways of knowing and doing history. The student will understand local government and participate in our community. The student will work cooperatively with others, use many forms of technology, discuss ideas, and gather various bits of information.

## C. W. P (12<sup>th</sup> Grade)

1 Credit (History)

During the school year we will be covering and studying many of the relevant domestic issues. This includes the constitution and legal affairs, racism, and National Politics, including the role of Congress, the President and the Supreme Court. Other issues that we will examine will be gun control, abortion, free speech, state's rights, education, terrorism and any other domestic problems that occur.

As you can see, we will be studying a broad array of issues. My objective is for all of us to understand both sides of these world and local issues and to take an interest in following the news. I want you to become literate and aware students! You will be able to discuss both sides of any issue and show knowledge of Contemporary Issues occurring in the U.S., Washington State and in Entiat by the end of the year

## U. S. History (11<sup>th</sup> Grade)

1 Credit (History)

The main thrust of this United States History class will be to bring the student to a point of analyzing rather than paraphrasing, criticizing rather than summarizing and creatively weaving a narrative out of facts. In effect the student will become aware of different ways of knowing and doing history. This is a required year long social studies course which will fulfill part of your social studies graduation requirements. We will study the locations/characteristics/cultures/people and ideas that have helped shape the United States from the end of the Civil War to the present. We will use a variety of resources to study the History of the United States. The student will work cooperatively with others, use many forms of technology, discuss ideas, and gather various bits of information.

**A.P. Option- A differentiated curriculum is available for students wishing to follow the AP track and prepare for the AP Test.**

World History (10<sup>th</sup> Grade)

1 Credit (History)

World History is designed to help students understand today's world by studying the social, economic, and political developments from the beginnings of human history through contemporary technological society. Emphasis will be given to both western and non-western societies.

## MUSIC

High School Choir 1 Semester Grades 9-12 (8<sup>th</sup> Grade may participate with special consent of instructor)

.5 Credit (Fine Arts or Elective)

Practice basics and advanced choral singing techniques through multi-part singing. An interest in singing and a willingness to work in a group setting is required. Extra-curricular performances are required for grades.

High School Band 1 Semester Grades 7-12

.5 Credit (Fine Arts or Elective)

This course strives to provide a broad and varied experience for those students interested and committed to the study and performance of the traditional high school band orchestral experience. Other responsibilities include diplomatic, leadership, etiquette, and problem solving that accompany such academic efforts. Participation in concerts, community events, festival among other performances is required.

## **PHYSICAL EDUCATION/HEALTH**

### FITNESS (9-12)

1 Credit (Physical Education)

The student acquires the knowledge and skills necessary to maintain an active life through movement, physical fitness and nutrition. To meet this standard the student will have, on a regular basis, twenty minutes of aerobic activity. Students will practice sportsmanship, teamwork; safety procedures involved in a variety of lifelong fitness activities, as well as identify, participate and demonstrate strategies for successful team participation. Students will identify, participate and develop strategies and skills to improve personal fitness. Skills will be developed in various activities including but not limited to: soccer, basketball, football, softball, tennis, pickle ball, badminton, golf, weight training, ultimate Frisbee and track and field.

### WEIGHT TRAINING (10-12)

1 Credit (Physical Education or Elective)

Bigger, Faster, Stronger (BFS) is a weight- training program that has been used to train high school athletes who compete in several sports. Students will learn to create and implement a training program that will effectively meet their conditioning needs both during and between seasons.

### ADVANCED FITNESS (11-12)

1 Credit (Physical Education or Elective)

Designed for students who are serious athletes. Individuals in this class should be self-motivated and ready to work. Students will be using the weight room three days a week and will do cardio activities two times a week.

## MATHEMATICS

### CORE 1 (Algebra)

1 Credit (Math)

Students will develop broad and useful mathematic skills using collaborative, investigation-based, multi-day lessons in this contemporary math class. Mathematical skills that are relevant to students will be examined in this program.

### CORE 2 (Geometry)

1 Credit (Math)

This course provides the student with the geometry background needed in mathematical reasoning and problem solving. Students will develop skills in visualizing and analyzing geometric relationships; inductive and deductive reasoning skills; and investigating connections to algebra, probability, trigonometry, and discrete mathematics.

### CORE 3 (Algebra 2)

1 Credit (Math)

(Prerequisite: successful completion of Algebra, Geometry or equivalent)

This course provides students with strong skills in mathematical reasoning and problem solving necessary for the future. Emphasis is on using algebraic functions, equations and graphs to model situations and investigating connections to geometry and statistics.

### CORE 4 (Pre calculus)

1 Credit (Math)

(Prerequisite: successful completion of Algebra 2, Geometry, and Algebra or equivalent)

This course is an advanced mathematics course focusing on trigonometry, advanced algebra and geometry and an introduction to calculus.

## SCIENCE

### PHYSICAL SCIENCE (9)

1 Credit (Science- Lab)

Physical science is the study of matter and energy. The first semester is devoted primarily to the study of chemistry which is the composition of matter, its properties and the way different types of matter react with each other. Second semester deals with physics, that is, the study of the interaction of energy and matter. Throughout the year the emphasis is placed on the process and nature of science. Students have the opportunity, through hands-on experience, to develop skills in problem solving, experimental design, data analysis and writing. Each of these skills will help ensure the student's success in other classes in the science pathway. Grades for this class are based on labs and exams. To be successful in this class students should be committed to completing all assigned work. Students should also be able to do simple algebraic manipulations.

### BIOLOGY (10)

1 Credit (Science- Lab)

Biology is the study of life. The first semester deals largely with the building blocks of life. Topics include biochemistry, cell biology and genetics. Second semester deals with biology of whole organisms. Topics include the interaction of organisms with their environment, taxonomy and human biology. Students develop problem solving, analytical and communication skills that began with physical science. To be successful in this class, student should be committed to completing all assigned work. This class

requires basic math skills and an ability to commit information acquired to memory. As in physical science, grades are based on labs and exams. This class is designed to provide students with the information and skills necessary to do well on the WASL.

### PHYSICS (11-12)

1 Credit (Science- Lab)

Taught in alternating years with Chemistry

Physics is the study of the interactions of energy and matter. Topics studied include force, motion, light, sound, optics, electricity and magnetism. This course is quite rigorous and is taught with the expectation that students taking this class will be attending college. Strong math skills are essential for success. Students who did not attain an 'A'

or 'B' in physical science will find this class especially difficult. Students who plan on a technical or engineering career will find this course beneficial.

**A.P. Option- A differentiated curriculum is available for students wishing to follow the AP track and prepare for the AP Test.**

### CHEMISTRY (11-12)

1 Credit (Science-Lab)

Taught in alternating years with Physics

Chemistry is the study of the composition of matter, its properties and the way different types of matter react with each other. This class should be taken by students who plan to attend college and are interested in a career in any of the sciences or medical professions. This class is taught with the expectation that students will be attending college. Because of this expectation, chemistry is more rigorous than physical science or biology. To be successful in this class, students need good study skills and a firm grasp of algebra. Students who did not attain an A or B in physical science probably will not do as well as they would like. As in other science classes, the grade is based primarily on labs and exams.

### ENVIRONMENTAL SCIENCE/NATURAL RESOURCES (11-12)

1 Credit (Science- Lab)

This class looks at the natural environment and how man uses and impacts it. Some of the topics covered include recreation, fish and wildlife, energy, timber, and GIS. The work in this class consists mainly of lab exercises, field trips and research papers. Plans are being made to allow students to work with natural resource professionals on various research projects. Weather permitting we also take a two day backpacking trip as part of the unit on outdoor recreation. Environmental science is suitable for sophomores-seniors.

## **SKILL CENTER**

Housed at the North Central Washington Tech Center

### AUTOMOTIVE TECHNOLOGY

Equivalency Credits: Applied Math (Full Year-1 Credit, ½ Year- .5 Credit), Elective Credit (1/2 Year- 1.5 Credit), Science (2<sup>nd</sup> Semester- .5 Credit), English (2<sup>nd</sup> Semester- .5 Credit)

### COLLISION REPAIR

Equivalency Credits: Applied Math (Full Year- 1 Credit, ½ Year-. 5 Credit), Elective Credit (1/2 Year- 1.5 Credit)

### COMPUTER TECHNOLOGY

Equivalency Credits: Applied Math (Full Year- 1 Credit, ½ Year- .5 Credit), Elective Credit (1/2 Year- 1.5 Credit), Science (Second Semester - .5 Credit), English (Second Semester- .5 Credit)

### CONSTRCTIONS TRADES

Equivalency Credits: Applied Math (Full Year- 1 Credit, ½ Year- .5 Credit), Elective Credit (1/2 Year- 1.5 Credit)

### COSMETOLOGY

Equivalency Credits: Elective Credit (1/2 Year- 1.5 Credit)

### CULINARY ARTS & HOSPITALITY

Equivalency Credits: Applied Math (Full Year- 1 Credit, ½ Year- .5 Credit), Elective Credit (1/2 Year-1.5 Credit) Fine Art (2<sup>nd</sup> Semester-. 5 Credit) English (2<sup>nd</sup> Semester- .5 Credit)

### DIGI PEN VIDEO GAME PROGRAMMING AND ANIMATION PLUS ROBOTICS

Equivalency Credits: Applied Math (Full Year- 1 Credit, ½ Year- .5 Credit), Elective Credit (1/2 Year- 1.5 Credit)

### DIGITAL VIDEO PRODUCTION

Equivalency Credits: Applied Math (Full Year- 1 Credit, ½ Year- .5 Credit), Elective Credit (1/2 Year- 1.5 Credit)

FIRE FIGHTER TRAINING AND PUBLIC SAFETY

Equivalency Credits: Elective Credit (1/2 Year- 1.5 Credit) Physical Education (2<sup>nd</sup> Semester- .5 Credit)

LAW ENFORCEMENT

Equivalency Credits: Elective Credit (1/2 Year- 1.5 Credit)

THEATER DESIGN AND STAGE TECHNOLOGY

Equivalency Credits: Elective Credit (1/2 Year- 1.5 Credit)

TRANSLATOR/INTERPRETER

Equivalency Credits: Elective Credit (1/2 Year- 1.5 Credit)