

AMITY HIGH SCHOOL

**2019 - 2020
Course Guide**



www.amity.k12.or.us

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Introduction

The purpose of this course description guide is to assist students and families in selecting the most appropriate courses during Amity High School academic program planning. Students and families are encouraged to use this guide to develop an education plan before beginning high school. All credit is awarded based on completion of minimum course requirements and seat-time requirements as established by the State of Oregon diploma requirements.

Listed courses are **projected** to be offered during the school year, if sufficient student interest exists and that necessary resources and staffing are available. Once scheduled, students will be expected to make a commitment to succeed in their classes. Students will have a one-week window to discuss any wishes to change schedules.

Amity High School operates a seven-period schedule, four days a week, from 7:50am to 3:25pm.

Diploma Requirements, Classes 2019-2020

Subject	Credit Requirements
English	4
Math (3 years of Algebra 1 or higher)	3
Science (Physical Science and Biology Required)	3
Social Sciences (Global Studies and US History Required)	3
Fine Arts (including Foreign Lang)	3
Physical Education (PE A & B Required)	1
Health Education (General and Family Health Required)	1
Electives	6
Senior Project	Transcripted
Essential Skills State Testing	Transcripted
Career Related Learning Experiences	Transcripted
Total Credits	24

Career Related Learning Experiences

All students who graduate from an Oregon Public High School must meet the following career related learning requirements:

1. Develop an education plan
2. Demonstrate an extended application (Senior Project)
3. Participate in Career Related Learning and Experiences (CRLE's)

Essential Skills = State Testing

All students who graduate from an Oregon Public High School must meet the following essential skills testing standards – skills deemed critical for future success:

Writing, Reading, and Math

Academic Program

A **Course Syllabus** will be distributed in every class at the beginning of the year, or term, describing the course content, grade system and expectations.

Athletics and activities are an important part of the total education plan for students. All students are encouraged to become involved in co-curricular activities that support their education plan. The Athletic Handbook describes academic and behavior standards required for participation and lists the athletic and activity programs offered.

Good attendance is critical for success in high school. It is the parent's responsibility to ensure that students miss school only for essential reasons and to monitor their student's progress in school. The Parent-Student Handbook describes policies and procedures to follow when a student must be absent from school. 90% or higher attendance is required to not be considered chronically absent.

Courses are graded as follows:

A = Exceptional performance

B = Above average performance

C = Average performance

D = Completed minimum requirements

F = Failure to complete minimum requirements

P = Pass

NP = No Pass (no credit is awarded and effects co-curricular participation)

Pass/No Pass grades are used for Teaching Aide, cadet & work experience classes; otherwise they require prior administrative approval.

Official grades and credits are reported at the end of each semester and become part of the student's permanent transcript. Parents and students are advised to use the internet viewer to keep up with current grades and attendance. The parent internet viewer can be found on the district home website.

Academic Credit is earned through completing minimum course requirements. Course credit is awarded in semester blocks only (0.5 credit per semester), provided the student earns a grade of 60% or better. See counselor for proficiency credit opportunities.

The **Honor Roll** is published two times a year and is based on the grades earned for each semester. Students must receive a minimum grade average of 3.5 for the semester and be enrolled in a minimum of five classes.

The **Grade Point Average (GPA)** is determined by adding all grade points earned and dividing by the number of graded credits. Each grade is worth:

GPA is computed at the end of each semester grading period. The cumulative grade point average is determined from the average of all grades earned in high school. Although GPA is an important factor in the college admissions process, the quality and rigor of a student's academic program is strongly considered. Some advanced courses carry an additional weight in GPA computation.

WP/AP/most College Credit Now Classes = 5 points A = 4 points B = 3 points C = 2 points D = 1 point F = 0 points
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Weighted Courses

- AP Chemistry
- Anatomy & Physiology
- AP Literature
- AP US Modern History
- Calculus
- Chemistry
- College Writing
- Pre-Calculus
- AP Studio Art

A **Transcript** is the official permanent academic record of a student's achievement in high school. It documents attendance, grade point average, class rank, grades, and academic awards, along with credits for all courses completed at AHS or transferred from another high school. Colleges and most scholarship programs require a transcript. All official school documents, including transcripts, will be sent by regular mail. Students who prefer certified, return-receipt service for transcripts and other school documents must prepay \$8 per mailing to cover processing and postage.

Diplomas - ASD Board Procedure

All students in good standing who have successfully completed the requirements for a high school standard diploma, a modified diploma, extended diploma or a certificate of attendance may participate in graduation.

Students finishing their high school requirements at an alternative school site are not able to walk at Amity HS graduation day.

AHS Honors Diploma

The Honors Diploma is an advanced academic benchmark student can obtain as they complete rigorous courses with high grades throughout their 4 years at Amity High School. This type of diploma is typically appreciated by both public and private four-year colleges.

Students must plan for advanced courses of study in a variety of subjects including English, Math, Science, Arts and Social Studies.
Minimum Expectations:

1. Student must have at least a 3.5 cumulative GPA, and no grade lower than a C in the common core classes.
2. Student must meet or exceed all State Testing Assessments including Math, Reading and Writing.
3. Evidence of two or more advanced courses of study in multiple subject areas in which the student obtained an A or B.
4. Assuming each qualifying course is offered by AHS, students must complete at least one qualifying course (see below) per academic year as possible.

Qualifying AHS Honors Diploma courses:

- Advanced in English Classes
- Anatomy and Physiology
- AP Chemistry
- AP Literature
- AP US History
- Chemistry
- College Writing
- Honors Physical Science
- Physics
- Pre-Calculus & Calculus
- AP Studio Art

College Preparation

College Credit Now (CCN) Courses

AHS has a partnership agreement with Chemeketa Community College for students to earn college credit for selected courses offered on our campus. Students will pay a \$30 fee for the entire academic year to complete any college courses available to them. We also have teachers certified through Willamette Promise to offer college credit transcribed through Western Oregon University.

College Credit Now Courses

- Anatomy & Physiology
- Calculus
- College Writing 121/122
- Horticulture
- Pre-Calculus
- Welding
- Animal & Veterinary Science (through Linn-Benton CC)

Willamette Promise Courses (\$30 fee paid directly to WOU)

- Spanish 2
- Chemistry during even numbered years

Oregon University System Admission (OUS)

Oregon University System requires that students complete math through Algebra 2 and two credits in the same foreign language. Students must earn a C- grade or better in all college prep classes and meet GPA and SAT/ACT score requirements for admission to OUS schools. Visit www.ous.edu Enrollment Services to learn more about the Oregon University System schools and specific requirements. Chemeketa Community College offers free tuition for students achieving a 3.5 or higher GPA – see counselor for more details.

NCAA Division 1 and Division 2 Initial Eligibility Requirements

Students who wish to play collegiate sports in NCAA Division 1 and Division 2, need to satisfy a number of requirements including minimum GPA, minimum SAT scores, and the completion of core courses in English, Math, Science, Social Studies, and additional academic areas. For complete information, students need to see the counselor and Athletic Director. NCAA Clearinghouse applications are available online at www.ncaaclearinghouse.net.

Advanced Placement (AP) Courses

AHS encourages every student to plan to take at least one AP course during high school. Every student in the AP course takes an AP test at the end of the year. If the student completes the test with a high enough score, they're awarded college credit. AP course offering will vary each year depending on student load, staffing and budgeting restrictions.

Advanced Placement (AP) Courses

- AP Literature
- AP U.S. Modern History
- AP Chemistry
- AP Studio Art
- AP Environmental Science

Early Graduation

Students who wish to accelerate their academic program and graduate one year prior to their senior year must complete an early graduation plan by May of their sophomore year (a minimum GPA of 2.75 is required). All early graduation plans must be approved by both the counselor and principal.

Talented & Gifted Program

TAG students should contact the Counselor to explore the options available to meet student rate and level of learning based on individual needs and interests.

Off-Site Release

Juniors and seniors who are on track for graduation may, with parent permission, apply for the privilege of being off-site for up to 2 periods of their school schedule. Any student who has an Off-Site release is required to leave the campus during that time. The only exception will be a pre-arranged note from a staff member stating when and where they would like to meet the student.

Class Selection Process

Step 1: Forecasting

In early spring of each year, the counselor visits classrooms to provide students information that will guide them in class selection for the following school year. Students are asked to select classes for both semesters and indicate alternate choices for each semester.

Step 2: Choosing classes

Students consult with classroom teachers, parents, and the counselor in making choices and planning educational programs. The counselor must review and approve all requests. Some classes require meeting specific grade, test score criteria, or class prerequisites.

Step 3: Alternate Class Selection

It is not likely that each student will get his/her first choice in all classes. It is very important that students select alternate choices with as much thought and care as any other choice.

Step 4: Scheduling

AHS administration makes many important decisions based on the forecast information from students (number of class sections, staffing, book needs, etc.) Because of this, students are expected to take the classes they request during forecasting.

Step 5: Changing Classes – Deadlines and Criteria

AHS conduct class changes at registration in late August, and prior to semester 2. Changes are limited.

Add/Drops: Class drops, or changes made after registration must be made within the FIRST week of school to avoid losing credit and/or receiving an F.

Typical Four-Year Education Plan

Freshman	Sophomore	Junior	Senior
Math	Math	Math	Math or Elective
Physical or Honors Physical Science	Biology or Honors Biology	Science Elective	Science or Elective
P.E. (A) & Health	Elective	P.E. (B) & Family Health	Elective
English 1, Honors English 1 or Creative Writing	English 2, Creative Writing or an Advanced Course	English 3, AP Lit or College Writing	English 4 and an Advanced Course
Intro to Ag, Cabinetry, or Band	Global Studies	US History	Government/ Economics and AP US History
Foreign Language / Elective	Foreign Language / Elective	Foreign Language / Elective	Foreign Language / Elective
Elective	Elective	Elective	Elective

Course Descriptions

ENGLISH

English Flowchart: 2018-19

	<u>College Prep Pathway</u>	<u>Community College Pathway</u>	<u>Non-College Pathway</u>
Grade 9	Honors English 1	English 1	English 1
Grade 10	English 2/Creative Wr.	English 2/Creative Wr.	English 2
Grade 11	College Writing or AP Literature	English 3, Creative Wr. Coll. Writing/ or AP Lit	English 3
Grade 12	English 4 and College Writing /or AP Literature	English 4 and College Writing/ or AP Literature	English 4

College Writing is a College Credit Now Course for Writing 121 & 122

AP Literature is College Credit with a passing score. Each university will let you know if college credit is given for a score of a 3, 4 or 5.

ENGLISH 1

Grades: 9

Length of Course: Year

Prereq: None

English 1 focuses primarily on improving writing skills through relevant practice and assignments.

This course is composed of the study of:

- **Writing:** The Writing Process including multiple edited and revised drafts, figurative language, The Six Writing Traits, five paragraph essays, writing workshop, creative writing, poetry composition, publishing, journal writing
- **Literature:** Selected short stories, nonfiction articles, poems, novels, including *Romeo and Juliet*, *The Odyssey* and *Of Mice and Men*.
- **Conventions and Vocabulary:** SAT vocabulary lists, basics of grammar, punctuation, proper sentence structure, spelling, parts of speech and capitalization.
- **Speech:** Writing, rehearsing, and presenting formally and informally.

HONORS ENGLISH 1

Grades: 9

Length of Course: Year

Prereq: Grade 8 teacher recommendation

This honors course focuses primarily on improving technical writing skills, particularly essay writing, as well as on a variety of literature, drawing from a variety of genres and time periods. The curriculum is designed to improve students' reading comprehension, literature analysis, writing, communication and thinking skills. Reading assignments will include short stories, poetry, plays and novels from both the fiction and non-fiction genres. Writing assignments will draw from in-class readings and will be completed using the Writing Process as a guide. Great emphasis will also be placed on preparing students for continued studies in the honor's program as well as Advanced Placement and college writing courses that are offered at Amity High. Because of this, academic expectations are high.

ENGLISH 2

Grades: 10

Length of Course: Year

Prereq: English 1

In this course you will study literature in its various forms or genres and come to discover what constitutes quality literature. You will explore the different types of nonfiction as you examine both personal narrative and the essay. You will investigate the structure and elements of the short story, the novel, and drama. You will learn about poetry, including the various types, structures, and metrical forms of verse. In conjunction with your study of literature, you will have the opportunity to write analytically about literature as you compose essays that reflect your growing understanding of literary works. You will also create original works of fiction, nonfiction, and poetry. You will increase your vocabulary and use it to strengthen your written and oral communication, as well as work on mastering spelling, grammar, and usage. Finally, you will achieve success working both independently and in small groups.

CREATIVE WRITING

Grades: 10 - 11

Length of Course: Year

Prereq: English 1

Course Description: Creative Writing is a year-long course designed for students interested in writing for publication. It will expose students to a variety of writing genres and require them to understand, analyze, imitate and then produce pieces of writing which conform to these genres. The writing process will be emphasized, as will teacher, peer and self-critique. The students will write, revise, critique, cull and publish their own creative works.

ENGLISH 3

Grades: 11

Length of Course: Year

Prereq: English 2

In this course you will study literature in its various forms or genres and come to discover what constitutes quality literature. You will explore the different types of nonfiction as you examine both personal narrative and the essay. Students will learn about poetry, including the various types, structures, and metrical forms of verse. In conjunction with your study of literature, you will have the opportunity to write analytically about literature as you compose essays that reflect your growing understanding of literary works. You will also create original works of fiction, nonfiction, and poetry. You will achieve success working both independently and in small groups. Furthermore, this course will further develop skills that will promote higher SAT/ACT scores through vocabulary building, literature analysis, and advanced writing techniques. Beginning in November students will learn how to research and write a lengthy research paper. Students will then compete in a classroom debate using the information and conclusions that they arrived at in their essays. Students will also attend a Career Job Fair during the school year. They will create a resume and learn job interviewing skills.

COLLEGE WRITING (WR 121 & WR 122) - COLLEGE CREDIT AVAILABLE

Grades: 11, 12

Length of Course: Year

Prereq: Listed Below

Credit: Elective or English Credit

College Credit Writing classes are coordinated through the Mid-Willamette Education Consortium in conjunction with Chemeketa Community College. This class is offered to students to allow them an opportunity to get a head start on their college education by taking their required writing classes while still in high school. Course descriptions are as follows:

- WR 121 English Composition-Exposition: this four credit class emphasizes clear, detailed informative

writing, clear thinking, and active reading through argumentative writing.

- WR 122 English Composition – Logic and Style: a four credit class that focuses on the writing of logical, effective prose, awareness of stylistic elements, and critical reading; research and documentation is heavily emphasized.

The requirements for enrollment in this class are the following:

- Recommendation by an English teacher
- Satisfactory language arts grades
- Passage of the Chemeketa writing placement test (a score of 89 or better is required)
- Submission of registration forms and the class fee (\$25)

AP LITERATURE

Grades: 11, 12

Length of Course: Year

Prereq: Teacher Recommendation

Credit: Elective or English Credit

This course will follow the curricular requirements outlined by the College Board. AP English Literature and Composition Course Description focuses on building skills necessary for college-level reading and writing. The texts include works from a variety of time periods and genres, and the writing assignments include in-class essays as well as formal process essays with several opportunities for revision. This is considered a college-level course, which means that students will be asked to read and analyze challenging, provocative, dense, and sometimes controversial material. Students will also be expected to come to class prepared to challenge themselves and others with interesting discussion points.

The course design is based on the premise that the AP English Literature exam measures those skills that students need in order to be successful in college. Students will work together and explore a variety of reading and writing strategies proven effective in preparing for success on the Advanced Placement English Literature exam. The course will focus on improving skill sets related to confidence and facility with language; skill in critical reading, writing, and thinking; and success in academic endeavors. All **students are encouraged to take the exam in May**. This course includes using approaches that develop skills to study and write about poetry, drama, fiction and non-fiction. This course will build on the vocabulary of rhetorical techniques you acquired last year as well as introduce additional terms of literary analysis for poetry and fiction. We will concern ourselves with the construction of style analysis covered in the AP English Literature Examination, and with several other modes of writing. Discussion of the AP examination will include test materials and student exemplars from previous examinations. We will explore the multiple-choice section to develop close reading skills and literary terms and techniques. We will also look specifically at strategies to identify tone, and how to apply critical theory to the texts we study.

ENGLISH 4

Grades: 12

Length of Course: Year

English 4 is a literature course, focusing primarily on classic heroic qualities found in literature. The subject matter in this course will deal with literature reflecting global cultures. Critical analysis of plot, character, and theme will be regularly explored in the process of developing critical reading skills. The content will focus on current events and issues, as well as literature. As a writing class, writing skills will be developed in numerous areas and styles. Students will need to demonstrate mastery in essay writing, research writing, and creative writing. Public speaking will be reinforced and practiced in a number of different activities, leading up to a test of mastery in May. Seniors will also spend time planning their future. Completion of the Senior Project will also be a major focus of this class, beginning with a research paper in the fall and culminating with speeches in the spring. This project is a graduation requirement for all seniors.

Math

Math Flowchart: 2018-19

	<u>College Prep Pathway</u>	<u>Community College Pathway</u>	<u>Non-College Pathway</u>
Grade 9	Algebra I/Geometry	Basic Algebra/Algebra I	Basic Algebra
Grade 10	Geometry/Algebra II	Informal Geometry/Geometry	Informal Geometry
Grade 11	Algebra II/Pre-Calculus	Integrated Math/ Algebra II	Integrated Math
Grade 12	Pre-Calculus/Calculus	Financial Algebra/Pre-Calculus	Financial Algebra

Pre-Calculus and Calculus are College Credit Now Courses

The classes listed furthestmost to the left, on the above flow chart, are high school entry point classes. Students will typically follow the prescribed courses following the entry point. However, if students show they have the ability, then they can be placed in higher level classes. Students will be placed in the highest level class where they are able to show success.

ALGEBRA 1

Grades: 9 - 12

Length of Course: Year

Prereq: Pre-Algebra

Credit: 1.0 Math

Content of this course includes the study of properties and operations of the real number system, solving and graphing first degree equations and inequalities, translating word problems into equations, operations with and factoring polynomials, solving simple quadratic equations, operations with exponents and simple exponential functions, and evaluating algebraic expressions. Assessment is based on student performance on tests, quizzes, tasks, and homework. Students are required to have a calculator for use in this class.

GEOMETRY

Grades: 9 - 12

Length of Course: Year

Prereq: Completed Algebra 1 with a B or higher

Credit: 1.0 Math

Content in this course will include properties of plane and solid figures, deductive methods of reasoning and use of logic, geometry as an axiomatic system inducing the study of postulates, theorems, and formal proofs, rules of congruence, similarity, parallelism, perpendicularity, rules of angle measurement in triangles, including trigonometry, coordinate geometry, and transformational geometry, probability and statistics. Assessment is based on student performance on tests, quizzes, tasks, and homework. Students should plan to spend at least 30 minutes on math homework every day.

ALGEBRA 2

Grades: 9 - 12

Length of Course: Year

Prereq: Completed Geometry with a C or higher

Credit: 1.0 Math

Content of this course includes linear functions and inequalities, quadratic functions and inequalities, exponential functions, logarithmic functions, rational functions, irrational functions, matrices, and conics. Assessment is based on student performance on tests, quizzes, tasks, and homework. Students should plan to spend at least 30 minutes of homework every day. Students are required to have a scientific calculator for use in this class.

PRE-CALCULUS

Grades: 9 - 12

Length of Course: Year

Prereq: Completed Algebra 2 with a C or higher

Credit: 1.0 Math or 1.0 Elective AND College Credit Available

This college level class prepares students to take Calculus upon completion. Relations and functions are investigated graphically, numerically and symbolically. Exponential, logarithmic, polynomial, power, rational functions, trigonometry, vectors, polar coordinates, parametric, equations and complex numbers are some of the topics explored. Students should plan to spend at least 30 minutes of homework every day. Students are required to have a TI graphing calculator for this class.

CALCULUS

Grades: 9 - 12

Length of Course: Year

Prereq: Completed Pre-Calc with a B or higher

Credit: 1.0 Math or 1.0 Elective AND College Credit Available

This course is designed for those students who have demonstrated mastery of algebra, axiomatic geometry, and analytic geometry. Topics include functions, limits, differential calculus, and integral calculus. Students will be able to comprehend, apply and interpret these concepts graphically, numerically, and algebraically. A considerable amount of homework is required (at least one hour per night). Assessment is based on tests, quizzes, homework and participation. Students are required to have a TI graphing calculator for this class.

PRE-ALGEBRA

Grades: 9 - 12

Length of Course: Year

Prereq: Teacher recommendation only

Credit: 1.0 Elective

Designed especially for students not quite ready for Algebra 1, this course provides the necessary essentials to prepare individuals for success in Algebra and beyond.

BASIC ALGEBRA

Grades: 9 - 12

Length of Course: Year

Prereq: Pre-Algebra

Credit: 1.0 Math

The content will be the same as that taught in Algebra 1, yet at a different pace with an enriched presentation. The extra time will allow for in-depth considerations of topics which students usually struggle with, like linear equations and graphing, systems of equations and quadratic functions. Additional content may include topics in statistics and/or project based units. This class is not designed to lead to Algebra 2.

INFORMAL GEOMETRY

Grades: 9 - 12

Length of Course: Year

Prereq: Completed Algebra 1 or Algebra B

Credit: 1.0 Math

Informal Geometry provides an introduction to basic geometric topics including language, classification and properties of polygons, congruence, similarity, parallel lines, area and volume, right triangle trigonometry and coordinate geometry. This course uses an informal approach, which is not dependent on formal geometric proof. Assessment is based on student performance on tests, quizzes, tasks, and homework. Students should plan to spend at least 30 minutes on math homework every day.

FINANCIAL ALGEBRA

Grades: 9 - 12

Length of Course: Semester

Prereq:

Credit: 0.5 Math

This course delves in to the practical applications of algebra in both business and personal finances. Have you considered a career in the finance sector? If so, this would be a terrific class to have on your completed transcript.

INTEGRATED MATH

Grades: 11 - 12

Length of Course: Year

Prereq: Informal Geometry or Geometry

Credit: 1.0 Math or 1.0 Elective

This course is designed to increase skills in Algebra and Geometry to prepare students for Algebra II.

Science

Physical Science and Biology are required courses of study. Students are required to complete 3 credits of rigorous, inquiry-based, science classes in order to graduate high school. 4 and 2-year colleges strongly recommend that students take biology, chemistry and physics. These courses may be required for college admission.

Typical Science Sequence Options

*College credit available

Bold honors courses

Italics does not count toward science elective credit

		Freshman	Sophomore	Junior	Senior
Core Science Courses	or	Physical Science	Biology	Forensic Science	Astronomy
		Honors Physical Science	Honors Biology	Chemistry*	Anatomy and Physiology*
				AP Chemistry*	Physics
Agriculture Strand		<i>Introduction to Agriculture</i>	Forestry*	Horticulture A & B*	Animal and Vet Science*

Descriptions for courses above are listed in the Agriculture Electives section.

PHYSICAL SCIENCE

Grade level: 9 - 12

Length: Year

Prerequisite: None

Credit: 1.0 Science

This course has been designed to be both fun and challenging, providing students with a deeper understanding of their physical universe while empowering them to make predictions about the future based on known patterns and observations. Through lab work, investigations, demonstrations, activities, lecture, and discussion, students will learn about how matter and energy interact (physics), and properties of matter and changes it undergoes (chemistry). Much of the course work will be done in class, although students should expect at home practice as well as some long-term projects.

HONORS PHYSICAL SCIENCE section will go into more depth of chemistry and physics using quantitative analysis, preparing students for honors biology and advanced biology, chemistry and physics courses.

BIOLOGY

Grade Level: 10-12

Length: Year

Prerequisite: None

Credit: 1.0 Science

This is a standard introductory biology course. Topics will include cell biology, transport across membranes, energy processes of living things, reproduction, genetics, natural selection, development, classification and systems of living things, and ecology.

HONORS BIOLOGY section will go into more depth of biological systems using quantitative analysis, preparing students for advanced biology, chemistry and physics courses.

Physical Science and Biology are required courses of study.

The following courses may be credited to the third-year lab science credit requirement.

FORENSIC SCIENCE

Grade level: 11 - 12

Length: Year

Prerequisite: Completion of Biology

Credit: 1.0 Science or 1.0 Elective

Do you love a good mystery? If you do, this class will help you solve those mysteries by presenting the techniques used to investigate crimes. Hands-on labs and topics include: history of forensic science, fingerprinting, hair and fiber identification, forensic anthropology, blood and its use in crime detection, toxicology studies, DNA fingerprinting, and crime scene procedures. Emphasis will be placed on solving case studies using problem solving, group work and logical thinking.

ASTRONOMY

Grade level: 11 - 12

Length: Year

Prerequisite: Completion of Physical Science or Biology with grades of C or better

Credit: 1.0 Science or 1.0 Elective

Of all the sciences cultivated by mankind, Astronomy is acknowledged to be, and undoubtedly is, the most sublime, the most interesting, and the most useful- James Ferguson. Topics covered include, but are not limited to: Astronomical Time Periods and Celestial Navigation; Rotational Motion and Universal Gravitation; Properties of Light and Matter; Telescopes and Technology; Special and General Relativity; Properties and Patterns of Stars; White Dwarfs, Neutron Stars, Black Holes and Gamma Ray Bursts; Dark Matter, Dark Energy and the Fate of the Universe; The Big Bang and the Beginning of Time.

ANATOMY & PHYSIOLOGY

Grade level: 11 - 12

Length: Year

Prerequisite: Completion of Biology and other science courses with grades of C or better

Credit: 1.0 Science or 1.0 Elective AND 6 college science credits available

Anatomy and Physiology introduces the normal structure and function of the human body from the chemical level to the organ-systems level. The course is fast-paced and information-rich but is appropriate for anyone interested in life science and/or a future career in the healthcare field. Includes lecture, activities, demonstration, student projects, and laboratory practice (including dissection). At the end of semester one, a C letter grade is required to remain in the class for the second semester. Student may obtain up to 6 college biology credits through Chemeketa Community College for a small registration fee of \$25.

CHEMISTRY

Grade Level: 11-12

Length: Year

Prerequisite: C or higher in physical science

Credit: 1.0 Science or 1.0 Elective AND 3 College Credits Available

Chemistry is an experimental science that is called the central science, as chemical principles underpin both the physical environment in which we live and all biological systems. Chemistry is a prerequisite for many other courses in higher education, such as medicine, biological science and environmental science. Introductory topics will include, but are not limited to, states of matter, atomic theory, bonding, periodicity, stoichiometry, solution chemistry, and acids and bases.

AP CHEMISTRY

Grade Level: 11-12

Length: Year

Prerequisite: C or higher in chemistry

Credit: 1.0 Science or 1.0 Elective AND College Credits Available from AP exam

AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college to major in science, health or the engineering field. AP Chemistry is open to all students that have completed a year of chemistry and want to study the subject in a more rigorous and academically challenging setting. Students are responsible for reading each assigned section and completing practice problems for each unit on their own. Each unit includes chapter sections, practice sets, activities, quizzes, experiments and laboratory reports, and are concluded with a culminating exam. . Ultimately the result will be readiness for the AP exam. All students enrolled in an Advanced Placement class will be expected to take the AP exam.

PHYSICS

Grade level: 10 - 12

Length: Year

Prerequisite: Completion of, or enrollment in, Geometry; C or higher in physical science

Credit: 1.0 Science or 1.0 Elective

Topics covered will center on mechanics (force and motion), but also woven throughout will be themes of the history of science (how science evolved), the nature of science (how science behaves), scientific inquiry (how to do science), and engineering design (how science is used to build technology).

Social Sciences

GLOBAL STUDIES

Grades: 10

Length of Course: Year

Credit: 1.0 Global Studies

Global Studies is the study of the relationship between people and the land. It focuses on two themes: how people use the earth and how the earth influences the way people live. Through this study the student will begin to realize the physical limitations of the natural environment as well as the human possibilities of controlling and modifying it.

U.S. HISTORY

Grades: 11

Length of Course: Year

Credit: 1.0 US History

U.S. History focuses on the people and events of America's past to gain a greater understanding of present day social, economic, and political conditions. Its scope extends from Reconstruction through contemporary issues and includes predictions for the future based on previous events. Central to the course is the study of the growth and development of the United States within a democratic content.

AP U.S. HISTORY

Grades: 12 only

Length of Course: Year

Prereq: 80% or higher in US History, or 90% on US History final.

Credit: 1.0 Elective

US History covers approximately 400 years of our nations past and present. The first semester begins with English colonization of North America, working through to United States industrialization. The second semester centers on the 20th Century, continuing with the development of America as a world power and concluding with a study of current events and issues in American society. Emphasis is placed on reasons for historical events and the results of these events. Homework is extensive. Preparation for the AP Exam in which students who pass can receive college credit is also a focus of the course.

AMERICAN GOVERNMENT

Grades: 12

Length of Course: Semester

Credit: 0.5 Government

American Government is a semester-long course required for graduation. This class is an overview of the creation, foundation, development, and execution of the American Government. It covers the structure and function of the American system of government, the roles and responsibilities of citizen participation in the political process, and the relationship of the individual to the law and legal system.

ECONOMICS

Grades: 12

Length of Course: Semester

Credit: 0.5 Economics

This course will provide students with an understanding of the way in which society organizes its limited resources to satisfy unlimited wants. Students will be introduced to the major characteristics of the mixed market economic system in the U.S. and how basic economic questions are answered. We will also explore the area of personal finance as students prepare to graduate and take on greater financial responsibilities, decisions, and challenges.

Physical Education

PHYSICAL EDUCATION A & B

Grades: 9, 11

Length of Course: Semester

Credit: 0.5 Physical Education

This activities course involves the basic rules, techniques, variations, and types of physical activities and sports. Units will include, but not be limited to: arena/flag football, volleyball, soccer, pickleball, basketball, hockey, bowling, ultimate frisbee, badminton, dance, softball, yoga, basic weight lifting and track & field. Emphasis at the beginning of units will be focused on technique, rules, and tactics of the game. Later emphasis will be placed on understanding of the games and cooperation and teamwork of participants. This course will give students an opportunity to participate in a variety of lifelong activities and is also designed to establish or enhance the student's physical fitness level. PE A is a prerequisite for PE B, Personal Fitness, and Weight Training.

PERSONAL FITNESS

Grades: 10 – 12

Length of Course: Semester

Prereq: PE (A) or Racquet Sports

Credit: 0.5 Elective

The purpose of this course is to provide students with opportunities to develop an optimal level of physical fitness while acquiring knowledge of physical fitness concepts and understanding the significance of lifestyle on one's health and fitness. This course is aimed to help the student who desires to learn skills to improve their personal fitness and wellness levels in combination with sound nutritional and exercise habits for a lifetime.

WEIGHT TRAINING

Grades: 10 - 12

Length of Course: Year

Prereq: PE (A), Racquet Sports, or Personal Fitness

Credit: 1.0 Elective

This fitness course involves the basic guidelines, techniques, variations, and types of lifts and workouts. Units will include, but not be limited to: circuit training, different types of lifting sets (super, pyramid, drop, and straight), endurance, strength, power, speed, agility, cardiovascular, and plyometric training, sport specific training, and individual workout plans. Emphasis at the beginning of units will be focused on technique, guidelines, schedules, and variations of the lifts. Later emphasis will be placed on students understanding of the workouts and ability to create and maintain an individual plan. This course is an upper level course and will give students an opportunity to participate in a variety of healthy fitness activities. At the end of semester one, a C letter grade is required to remain in the class for the second semester.

RACQUET SPORTS

Grades: 9 – 12

Length of Course: Semester

Prereq: None

Credit: 0.5 Physical Education

The purpose of this course is to teach the fundamentals techniques, rules, strategies, and tactics of a variety of racquet sports including but not limited to: badminton, pickle ball, tennis, lacrosse, and other racquet sports.

Health

HEALTH

Grades: 9

Length of Course: Semester

Credit: 0.5 Health

General Health is a personal health and wellness course designed to help you learn to choose physically healthful behaviors that will enhance your entire life. The goal of the course is the transfer of learning into living...that provides experiences with the skills you will need to make healthful behaviors a comfortable part of your daily life. The course content includes diet, food and nutrition; physical fitness and exercise; stress management; tobacco, alcohol and other psychoactive drugs; relationships, decision making, parenting and parenting projects.

FAMILY HEALTH

Grades: 11

Length of Course: Semester

Prereq: 0.5 Health

Family Health is a personal health and wellness course designed to help you learn to choose physically, mentally, emotionally and socially healthful behaviors that will enhance your entire life. This course is designed to study in depth specific areas that relate to the health of the family and specific members of that family and the dynamics at work between them. You can expect a variety of lessons from vocabulary, discussions, group projects, class presentations, role-playing, guest speakers, quizzes and tests. Opportunities to pursue individual interests related to the unit of study will be provided. The course content includes: emotional health; mental disorders; dating violence; the human life cycle from prenatal development aging, death and dying; infectious diseases, and family dynamics in families of substance abuse.

Languages (Fine Arts Electives)

AMERICAN SIGN LANGUAGE 1

Grades: 9 – 12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

This course is designed to introduce students to American Sign Language and the culture of deaf Americans. The visual communications skills of reception (listening) and expression (speaking) will be taught and practiced by using finger spelling (alphabet), basic vocabulary and simple ASL sentence structure. Students will be introduced to the deaf community through a series of lectures and guests in the classroom.

AMERICAN SIGN LANGUAGE 2

Grades: 10 – 12

Length of Course: Year

Prereq: ASL 1

Credit: 1.0 Fine Art or 1.0 Elective

This course is designed to further develop ASL skills for smoother and more complex sign language communication. More attention to facial expression and body language is a key element that is emphasized through visual action and in-depth description. Vocabulary is increased and grammatical structure is continued as well as continuing to become more expressive. A deeper understanding of deaf culture and its influence on language and history are studied. Students will get the opportunity to interact with deaf individuals in and out of the classroom.

AMERICAN SIGN LANGUAGE and the ARTS

Grades: 11-12

Length of Course: Year

Prereq: ASL 2 (80% + grade)

Credit: 1.0 Fine Art or 1.0 Elective

This course is designed to explore the Deaf Culture and the use of ASL in various art forms. Units will include: interpreting; technological advances for the Deaf; Deaf activism & cultural advancement; music; poetry; storytelling and drama/theatre. There will be additional vocabulary with each unit as well as a continuing focus on developing stronger conversational and public speaking skills.

Students taking this course must have earned an 80% or better in ASL 2 as well as teacher approval.

SPANISH 1

Grades: 9 - 12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

Introduction to the Spanish language and cultures through listening, speaking, reading, writing and videos/DVDs. The class requires guided conversational practice. Interpretive techniques through context are frequently used. This academic-based course focuses on gaining basic vocabulary and introduces the present and present progressive tenses. Students begin to communicate using basic ideas and vocabulary common to familiar situations and everyday situations. Gaining vocabulary takes time and memorization. Students should plan on 15-20 minutes of homework or studying nightly. Some projects or assignments may require more time and/or research outside of class time.

SPANISH 2

Grades: 9 - 12

Length of Course: Year

Prereq: Completed Spanish 1 with a C or higher

Credit: 1.0 Fine Art or 1.0 Elective

Building on the knowledge gained in Spanish 1, the students will continue to increase their knowledge of Hispanic cultures and Spanish language skills through listening, speaking, reading, writing and videos/DVDs, and use of interpretive techniques through context. Guided conversational practice method is used for instruction. This academic-based course focuses on mastering the present tense and becoming familiar with the past, future, and conditional tenses as well as the subjunctive mode. Students communicate using some original sentences and questions, relying on memorized/rehearsed material, to obtain and provide information. Some projects and assignments could require completion and/or research outside of class time. Students should plan on 15-25 minutes of studying or homework nightly.

INDEPENDENT STUDY SPANISH

Grades: 9 - 12

Length of Course: Year

Prereq: Spanish Speaker

Credit: 1.0 Fine Art or 1.0 Elective

Students in this class will use their Spanish speaking skills to learn advanced Spanish communication, interpret for non-confidential conversations and tutor students learning Spanish.

Visual Arts (Fine Arts Electives)

Visual Arts Pathway

The Visual Arts Pathway is divided into two focus areas: 2D Visual Art and 3D Visual Arts. Careers in the visual arts can widely vary. The 2D Visual Art pathway is for careers that heavily use drawing (either traditional or digital) and design principles like graphic designers, comic artists, painters, marketing, and traditional artists. The 3D Visual Art pathway will focus on production and artisan-based careers like ceramic artists, sculptors, installation artists, etc. The most stable visual art careers come from those working in industrial, corporate design, or advertising; however, others can choose to go into freelance, contract work, or entrepreneurship.

2D Visual Art Pathway

Media Arts I
Media Arts II
Illustration
Open Studio*
AP Studio Art**
Yearbook***

3D Visual Art Pathway

Ceramics I
Ceramics II
Ceramics III
Open Studio*
AP Studio Art**
3D-Design***

*Open Studio requires at least two consecutive years of 2D or 3D Visual Art classes

***Yearbook and 3D-Design can be taken any grade year, no prerequisite needed.

**AP Studio Art requires at least two consecutive years of 2D/3D Visual Art classes and teacher recommendation

**AP Studio Art is college credit eligible with a passing portfolio score.

MEDIA ARTS I

Grades: 9 - 12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

Students in Media Arts I will learn to draw, paint, mixed media and collage. Students will learn about the Art Elements and Principals of Design through pencil drawings. **This class has a \$15 fee for materials.**

MEDIA ARTS II

Grades: 10 - 12

Length of Course: Year

Prereq: Media Arts I

Credit: 1.0 Fine Art or 1.0 Elective

Students in Media Arts II will further develop technical drawing and problem-solving skills while incorporating their current understanding of the Art Elements and Principals of Design. **Not encouraged for students who have not taken Media Arts I. This class has a \$15 fee for materials.**

ILLUSTRATION Offered in odd numbered years

Grades: 11-12

Length of Course: Year

Prereq: Media Arts I & Media Arts II

Credit: 1.0 Fine Arts or 1.0 Elective

This class will explore technical drawing skills used in industrial design, comic pages, illustrative books, and technical drawings. This class will further develop drawing skills with a heavy emphasis in 2-Dimensional drawing concepts like backgrounds, occupied and unoccupied space, and other visual principals that allow a story to be visually dynamic and demonstrate clarity. **This class has a \$25 fee for drawing materials.**

OPEN STUDIO

Grades: 11-12

Length of Course: Year

Prereq: Media Arts I & II or Ceramics I & II

Credit: 1.0 Fine Arts or 1.0 Elective

Students will be given a space to create a body of work in their chosen media or medium (ceramics, painting, spray paint, etc.). Students will be given a space to collaborate and experiment with a variety of medium or media to create a body of work. This class will simulate an artist in residency or art studio in that students are given space to create. **This class has a fee of \$30 for materials.**

YEARBOOK

Grades: 9 – 12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

Yearbook is a production class in which students design and produce the school's yearbook. Students work in all phases of production: writing, designing, advertising, graphics, layout, photography, and distribution. Students are evaluated on their ability to meet deadlines, quality and quantity of work produced, and ability to work with others. **This class has a \$10 fee for materials.**

CERAMICS I

Grades: 9-12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

Students will build boxes, clay creatures, mugs, and bowls with their hands! **This class will not be using the pottery wheels!** Students will become immersed in the terminology of ceramics and pottery. **This class has a \$25 fee for materials.**

CERAMICS II

Grades: 10 - 12

Length of Course: Year

Prereq: Ceramics I

Credit: 1.0 Fine Arts or 1.0 Elective

Students will be expanding their ceramic skills by learning how to throw on the pottery wheel.

Students will learn how to center, pull, and create functional ceramic pieces. They also will learn how ceramic artisans better and promote their craft. Students will also be participating in a spring wood firing located at the East Creek Anagama Kilns. **This class has a \$25 fee for materials.**

CERAMICS III

Grades: 11 - 12

Length of Course: Year

Prereq: Ceramics I & Ceramics II

Credit: 1.0 Fine Arts or 1.0 Elective

In this class students will make a body of ceramic work in either hand building, wheel throwing or a combination of both. In addition to creating a reputable body of work, students will learn how other ceramic artists market, promote, and sell their craft. Students will learn about a variety of ceramic firing methods which will expand their knowledge of ceramics. **This class has fee of \$25 for clay and tools.**

3D-DESIGN offered in even numbered years

Grades: 9-12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Arts or 1.0 Elective

Students in this class will learn how to conceptualize and construct projects that can stand on their own two feet! Students will create a variety of art pieces that are assemblage, installations, sculptures, and much more. Students will learn how the Art Elements and Principles of Design can be used in a 3-Dimensional artwork. **This class has a \$15 fee for materials.**

AP STUDIO ART

Grades: 11-12

Prereq: Media Arts I & II or Ceramics I & II and teacher recommendation

Credit: 1.0 Fine Art or 1.0 Elective

This course is designed for students with a serious interest in the visual arts. This course enables students to refine their skills and create artistic works which will be submitted to the College Board for evaluation. The course will emphasize quality of work, media exploration, and problem solving. Students will also evaluate and create a breadth of experience in the formal, technical, and expressive aspects of the visual arts as seen in drawing, color organization, design, and sculpture. Students in AP Studio art have the opportunity to submit one or more portfolios per year in AP Studio Art 2-D Design, AP Studio Art 3-D Design, or AP Studio Art Drawing. In preparation of the course, students will be asked to complete summer homework, the summer before they are to take the AP Studio Art course. **This class is not encouraged for students who have not successfully completed and passed Media Arts I & II or Ceramics I & II. This class has a material fee of \$30 and the AP Exam Fee is \$94.**

Agriculture (Fine Arts Electives)

Agriculture Pathway

Freshmen	Sophomore	Junior	Senior
Introduction to Agriculture (required)	Adv. Agriculture 1	Adv. Agriculture 2	Adv. Agriculture 3
	Forestry with Fire Science*	Horticulture A*	Animal and Vet Science* Horticulture B
	Ag Mechanics	Welding 1	Welding 2

*college credit available

BOLD course count as science or fine art electives

INTRODUCTION TO AGRICULTURE

Grades: 9 – 12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

This course is an introductory course designed to expose students to different facets of the agriculture industry. Students will gain knowledge in animal science, plant science, leadership skills, public speaking, FFA opportunities, and agricultural mechanics. Instruction and student learning will occur through lectures, student projects, group discussions, hands on experiences, FFA experiences, Career Development Events participation, and a Supervised Agriculture Experience program.

ADVANCED AGRICULTURE 1, 2, 3

Grades: 10 – 12

Length of Course: Year

Prereq: Introduction to Agriculture

Credit: 1.0 Fine Art or 1.0 Elective

This course will build on the components learned in Introduction to Agriculture, and additional evaluation and research of most of the introductory topics learned in the first year. Students will make presentations and demonstrate parliamentary procedure to control common meeting situations. Students will be required to complete written applications of their choice as proof of their communication ability. Soil Science, Crop Science, Animal Science, Land Surveying, Competitive Speaking, Parliamentary Procedure, Ag Sales and marketing, officer training and committee participation will be available through membership in FFA. Students will develop record keeping skills through the use of AET Tracker software.

FORESTRY with FIRE SCIENCE offered in odd numbered years

Grades: 10 – 12

Length of Course: Year

Prereq: Introduction to Agriculture

Credit: 0.5 Science and 0.5 Elective

Want to learn about careers in the natural resources field? Survey topics in forestry; including forest ecology, and forest management. Students will explore concepts in soil, water quality, fisheries, and land management. Students will learn about the economic and environmental benefits of Oregon's Forests. Students will be using a variety of forest management tools to collect and analyze forest data to determine the best use of the resource.

Homework: 2-3 hrs/wk.

ANIMAL PRODUCTION SCIENCE offered in even numbered years

Grades: 10 – 12

Length of Course: Semester

Prereq: Introduction to Agriculture

Credit: 0.5 Science or 0.5 Elective

This course will provide students with the opportunity to explore the many aspects of the livestock industry. Animal Science develops basic knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction and genetics, health management, and marketing of one or more species of farm animals. The latest biotechnological application will be included. During this course, students will study breeds of dairy cattle, beef cattle, equine, sheep, swine, and goats. Student will look at animal breeding and reproduction, housing facilities, proper management practices, and feeding and nutrition.

VETERINARY SCIENCE offered in even numbered years

Grades: 10 - 12

Length of Course: Semester

Prereq: Introduction to Agriculture

Credit: 0.5 Science or 0.5 Elective

This semester class will include study of anatomy and physiology of small and large animals; proper health maintenance, sanitation and the symptoms, treatments and prevention of common diseases. Course work will include animal physical examinations, small animal handling techniques and the control of parasites and diseases. The student will gain practical experience in veterinary medicine by conducting hands on activities with livestock and will have the opportunity to investigate the field of veterinary medicine. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician.

WELDING 1

Grades: 10 – 12

Length of Course: Semester

Class Size Limit: 15

Credit: 0.5 Fine Art or 0.5 Elective

This class will allow you to learn many metal fabrication techniques. During this semester class you will have the opportunity to learn various types of welding, including ARC, (SMAW) Wire Feed (GMAW) and Oxy-Acetylene welding and cutting. (OAW). Besides welding, you will learn to cut metal using a variety of machines and processes – including a plasma cutter. This is a hands-on class that requires students to produce and practice welding to build the skill needed to fabricate and design a metal project. **This class has a \$20 fee for materials.**

WELDING 2

Grades: 10-12

Length of Course: Semester

Class Size Limit: 15

Prereq: Welding 1

Credit: 0.5 Fine Art or 0.5 Elective

This class will allow students to use the skills that they learned in Welding I to design and construct metal project(s). Students will be using a multitude of metal shop and welding skills as they build their projects. Students will need to create a working drawing, a bill of materials for each project, and follow all safety procedures during the manufacturing process. Students will be required to submit a portfolio upon completion of the course that records their progress and skills obtained through the experience. **This class has a \$20 fee for materials.**

AGRICULTURE MECHANICS

Grades: 10-12

Length of Course: Year

Class Size Limit: 25

Credit: 1.0 Fine Art or 1.0 Elective

This course focuses on the knowledge, hands-on skills, and work place skills applicable to construction in the agricultural industry. Major units of instruction include: personal safety, hand tools, power tools, blue print reading, surveying, construction skills in carpentry, plumbing, electricity, small gas engine theory concrete, drywall and painting. Careers such as agricultural engineers, carpenter, plumber, electrician, concrete and safety specialists, and other related occupations will be examined. Improving workplace readiness skills in the construction field will be a main focus of this course.

HORTICULTURE A offered in even numbered years

Horticulture and Greenhouse Production

Grades: 10- 12

Length of Course: Year

Prereq: Introduction to Agriculture

Credit: 1.0 Science or 1.0 Elective

This course is designed to help students develop a foundation for learning in the field of horticulture. Units covered in the first semester include plant cells, plant parts, genetics, plant growth and reproduction, along with various propagation techniques. These concepts are learned in a lab setting. During the second semester students apply their knowledge of plants in variety of activities and labs that provide hands on learning and the application of industry standards as they relate to the floral and green house industry. Students gain skills in growing, designing, and marketing a variety of greenhouse crops. Growing plants in our production greenhouse is a large part of the class. The class works as a collaborative team to manage a production greenhouse. Other topics covered include basic principles of soils, media and plant nutrition, insects and greenhouse crop diseases.

HORTICULTURE B offered in odd numbered years

Landscape and Floral Design

Grades: 10-12

Length of Course: Year

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

This course is designed to help students develop a foundation for learning in the landscape design industry. This course focuses on learning the fundamentals of landscape design drawing that are necessary to graphically communicate design ideas. Students will be using computer technology and Pro Landscape Design Software to perfect their design skills. Students will learn how to effectively bid out a landscape design using financial software as well as developing irrigation designs.

Woods (Fine Arts Electives)

Woods Pathway

Freshmen	Sophomore	Junior	Senior
Cabinetry 1 2 (required)	Cabinetry 3 4	Woods Manufacturing ↔	Cabinetry 5 6
	Woodturning 1 2	Woods Manufacturing	Independent Study/Studio

CABINETRY 1|2

Grades: 9 - 12

Length of Course: Year (may be taken only first semester, but may not be taken only second semester)

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

Class Size Limit: 16

Cabinetry 1|2 is an introductory course focusing on woodworking and cabinetry. Students will learn about the properties of wood and its uses while building required term projects specific to cabinetry and furniture making. Students will learn safe use of all the machines in the shop including the band saw, power sanders, drill press, sliding compound miter saw, planer, jointer and table saw. Throughout the course, students will be introduced to thumbnail drawings, orthogonal drawings, proper grain direction, sheet goods, and more. Attention to detail will be emphasized! Assessment is based on safety test scores, active participation, required projects, and a cumulative assessment. The class fee helps to pay for necessary project materials and the upkeep of our machines. **This class has a \$15 fee for materials.**

CABINETRY 3|4

Grades: 10 - 12

Length of Course: Year (may be taken only first semester, but may not be taken only second semester)

Prereq: None

Credit: 1.0 Fine Art or 1.0 Elective

Class Size Limit: 16

Cabinetry 3|4 is an intermediate/advanced course focusing on woodworking and cabinetry. It is designed to prepare students to think and interact in industry-related settings with proper woodworking terminology and skill sets. Students will build upon their knowledge of the properties of wood and its uses while building required term projects specific to cabinetry and furniture making. This course is project-based with class challenge projects functioning as the foundation for developing effective research, problem solving, communication, and reflection skills related to the trades industries, in a professional manner. During one term it is expected that the class take part in projects intended to serve the community/Amity School District, so students have a chance to develop appropriate and applicable client interactions while building quality products for others. Assessment is based on active participation, completion and quality of required projects, and a cumulative assessment. The class fee helps to pay for necessary project materials and the upkeep of our machines. **This class has a \$15 fee for materials.**

WOODS MANUFACTURING

Grades: 11|12; 10 with instructor approval only

Length of Course: Year

Prereq: CABINETRY 1|2 & 3|4 (full sequences) **-OR-** WOODTURNING W/ SCI. 1|2 (full sequences) **-OR-** Instructor Approval

Credit: 1.0 Fine Art or 1.0 Elective

Class Size Limit: 16

Woods Manufacturing is intended as an advanced woodworking course that introduces entrepreneurship and enhanced creativity to the classroom while emphasizing quality craftsmanship. Students in the manufacturing class will design, produce, market, and sell a wood based item in the student-run Artisan Sale--this occurs near the end of each term. They will have the opportunity to use varied technologies available in the shop, including all shop power equipment, woodturning lathes, CNC machines, and a laser engraver. Students will learn entrepreneurial skills along with gaining knowledge of small business needs, operations, and realities. This class provides a safe environment for students to try their hand at business production, with the opportunity to make money through the sales, if their product(s) perform well with consumers and clients. **This class has a \$15 fee for materials. | All wood/specialty fasteners & products to be purchased by students from shop.**

WOODTURNING I|II

Grades: 10 - 12

Length of Course: Year

Prereq: Cabinetry 1|2

Credit: 1.0 Fine Art or 1.0 Elective

Class Size Limit: 10

Woodturning 1|2 is a two course series focused on introducing and further developing the art and science of woodturning. Students will learn about the properties of wood and its uses through hands-on lessons, applied projects at the lathes, and assigned readings. Students will learn safe use of the woodturning lathes in the woodshop as well as machines commonly used to assist turners, such as bandsaws, sanders, table saw, miter saw, and the drill press. Safety tests will be administered for safe operation and use of the machines. Throughout the course, students will be introduced to spindle forms, side grain bowls, end grain bowls, as well as different species. Attention to detail and applied practice of learned concepts will be emphasized! Assessment is based on safety test scores, active participation, required projects, and a cumulative assessment/final project. The class fee helps to pay for necessary project materials and the upkeep of our machines. **This class has a \$15 fee for materials.**

INDEPENDENT STUDY/STUDIO

Grades: 11|12

Length of Course: Year

Prereq: Instructor Approval Only

Credit: 1.0 Fine Art or 1.0 Elective

Class Size Limit: 5

This course is offered to advanced woodworking students looking to develop a woodworking portfolio before they graduate. This course is designed as an independent study with a set number of completed projects required by the end of the term. The course fee covers the cost of a portfolio book and photo shoot for complete projects so images can be printed by the student and included in their portfolio. Project emphasis will be placed on craftsmanship, design intent, creativity, and final product. Students will learn about their professional marketability within a furniture, artist, or cabinetry discipline and develop their own unique pitch/brand. **Fee: \$25 | Fee pays for a portfolio book for images of work to be cataloged. All wood/specialty fasteners & products to be purchased by students from shop.**

Fine Art Electives

CONCERT BAND

Grades: 9 - 12

Length of Course: Year (may be repeated for credit)

Prereq: 2 years' experience

Credits: 1.0 Fine Art or 1.0 Elective

Concert Band is open to all students with two or more years' experience on a band instrument. The Band plays Pep Band tunes at home football and basketball games, and may travel to State play-off games (this does not prevent students from playing these sports). In the winter, the band concentrates on beautiful and lively concert music to play at the many competitive festivals we travel to in the area. Qualifying bands continue on to the State Band Competition. The band also performs at all school assemblies, May Day, graduation, and other district functions. In addition, students will hone their solo capabilities through in-class mini-concerts, and competing at the District III Solo/Ensemble contest.

CULINARY ARTS

Grades: 11 - 12

Length of Course: Semester

Prereq: None

Credit: 0.5 Fine Arts or 0.5 Elective

Fees: Could exceed \$20 – this is an expensive course to offer and the budget may not allow the additional expense. This course includes consumer education, nutrition and preparation of specific foods. Students learn to compare foods for quality, plan and prepare dishes, select and use equipment and understand principles of nutrition and cookery. Skills learned apply to vocational as well as personal use.

FILM PRODUCTION

Grades: 10 - 12

Length of Course: Year

Credit: 1.0 Fine Art or 1.0 Elective

This elective course will focus on introducing students to the world of film production through the design, creation, and editing of video. Students in this class will learn the details of planning a production schedule, in addition to exploring the hands-on skills required for effective filming and editing. Knowledge of technology and film terminology will be a core component of the class. Background comfort with technology is a pre-requisite. Students will be responsible for the creation of a series of films commissioned by the school throughout the year, but there will be opportunities to explore film technique and projects. This class is also responsible for the school's live broadcast program. It is also building a business department to develop video projects for local businesses. After school hours may necessary for this class (approx. 5-10 hours a semester). Film Production can be taken more than once.

TECHNOLOGY

Grades: 9 - 12

Length of Course: Year

Prereq: Teacher approval only

Credit: 1.0 Fine Art or 1.0 Elective

The technology class explores the functioning of the computers in Amity High School. Students will be prepared to repair, replace, reboot and recycle computers.

INTRODUCTION TO COMPUTER SCIENCE

Grades: 9 – 12

Length of Course: Year

Prereq: Geometry

Credit: 1.0 Fine Art or 1.0 Elective

This class will give the students an opportunity to learn beginning programming and 2D game design. The course is part of the TEALS program that is backed by Microsoft. One of Amity HS's teachers will be teamed up with industry professionals to facilitate the class. Computer Science is a wide open career field in need of hundreds of thousands of people to fill the high paying positions.

Other Electives

LEADERSHIP

Grades: 9 – 12

Length of Course: Year (may be repeated for credit)

Prereq: None

Credit: 1.0 Elective

Class size: 20 students max

Leadership students will develop leadership, teamwork, problem solving, and organizational skills. Assemblies, community service, staff appreciation, homecoming, student activities, public relations, and leadership training, are just a few of the class activities. Leadership students will focus more on student-directed activities allowing students to create, execute, and evaluate their own ideas. Students will need to dedicate at least 30 hours outside the classroom to school/community service activities each quarter. Students must demonstrate commitment, personal responsibility, and focus to be successful in Leadership.

COOPERATIVE WORK EXPERIENCE

Grades: 11, 12

Length of Course: Year (may be repeated for credit)

Prereq: Counselor Approval

Credit: 1.0 Elective

Amity High School students may participate in a structured work program in which they are provided opportunities to develop basic job skills, positive attitudes, and work habits through meaningful work experience related to their career interests.

Requirements:

1. Must be a Junior or Senior in good standing for graduation
2. Strong attendance record - (90% attendance or principal's and coordinator's approval.)
3. Job must be at pre-approved work site & application completed/returned to the counselor.
4. Job must coordinate daily with school schedule.
5. GPA of 2.0 or higher. (Less than 2.0 GPA only on principal and coordinator's approval.)
6. The school does not supply transportation.
7. Student cannot work for or be supervised by parent.
8. Scheduling needs to be done by the end of the first week of school and prior to 2nd semester.

CWE is a pass/no pass course. Participation in extra-curricular activities does not change the basic requirements for earning credit. Students who are unable or unwilling to meet these requirements should not enroll in this program.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE)

Grades: 9 – 12

Length: Semester

Prereq: Instructor's consent

Credit: 0.5 or 1.0 Elective

Graded Pass or No Pass

This course is designed to provide students with an opportunity to earn credit for agriculture-related work experiences. Students are required to work closely with the instructor to maintain employment records and financial records, as well as skills and competencies learned. All of these records along with pictures will be used to complete a final portfolio. Students must submit a completed Agriculture Education Tracker (AET) portfolio in order to earn the credit. Students must complete a minimum of **130 hours** of documented work experience to earn **0.5 credit** or **260 hours** to earn **1.0 credit** over the course of the school year. The credit can be earned for summer experiences as well.

CADET TEACHER

Grades: 10 - 12

Length of Course: Year (may be repeated for credit)

Prereq: Cadet Teacher signature and Counselor Approval

Credit: 1.0 Elective

Grading: Pass or Fail

Students have an opportunity to work with teachers and students at any of the three schools. Duties vary but may include helping a teacher prepare for classes, duplicating materials, grading, bulletin boards, filing, or actual one-on-one help with other students. There will be a limited number of workstations available and students are not guaranteed placement. Requirements include: 2.0 GPA, 90% attendance, and approval of the counselor.

LIBRARY AIDE

Grades: 10 – 12 Recommended

Prereq: Librarian Signature Required

Credit: 1.0 Elective

Graded Pass or No Pass

This course provides work experiences in the library. These include organizing and disbursing materials, operation of copy machine and assisting others with copy jobs, computerized card catalog, shelving books, keeping up library cleanliness, and assisting students in the use of all library resources. Evaluation is done by the student's performance in all library procedures.

OFFICE AIDE

Grades: 10 – 12 Recommended

Prereq: Office Manager Signature Required

Credit: 1.0 Elective

Graded Pass or No Pass

Both of these courses provide practical work experiences of common duties found in offices, including: filing, answering the phone, organizing and disbursing materials, designing bulletin boards, keeping records, etc. These workstations are limited, and students must have administrative approval and includes an interview by the secretaries.

STUDY HALL if there's staff availability

Grades: 9 - 12

Credit: 1.0 Elective

Graded Pass or No Pass

The class is designed for students who truly need time to finish their assignments. We recognize the number of students who participate year around in activities. This is an opportunity to complete work during school hours. The atmosphere will be very strict for this class. Only serious students should forecast for this class. Otherwise, students will be removed immediately for being disruptive.

TEACHER AIDE

Grades: 10 – 12 Recommended

Prereq: Teacher Signature Required

Credit: 1.0 Elective

Graded Pass or No Pass

This assignment could include a variety of tasks including grading papers, duplicating materials, bulletin boards, filing, helping other students, etc., depending on the teacher's needs. Evaluation is on a pass/no pass basis. Students must have approval from the teacher to be able to register as an aide. (Teachers show approval by initialing student's forecast sheet.)

ACADEMIC TUTOR

Grades: 11-12

Credit: 1.0 Elective

Grades: 11, 12

Prerequisite: Teacher consent and academic criteria met.

Academic Tutors will assist other students in a class, tutoring them as needed with daily assignments, homework, exam preparation, study skills and group work. The student applicant must have received an "A" or "B" in the class in which they are tutoring. The student must be in good standing and must have at least a 3.0 GPA to receive consideration for this course. Academic Tutors are not needed in all courses. Emphasis is placed on entry level core classes. This is a graded class. Forms for this class are available in the Counseling office.

ASL ACADEMIC TUTOR

Grades: 11-12

Length of Course: ½ to full year

Prereq: ASL 2 and teacher approval

Credit: 1.0 Elective

This elective was designed to give the teacher extra eyes and hands for better one on one instruction for students who need more individual attention. These students will also manage the activities of the classroom in the absence of the ASL teacher. This course requires not only excellent ASL skills through ASL 2 level, but also requires confidence and leadership skills to be in a teaching/instructive role with individuals as well as working with a group. The AT will lead warm up exercises; individual tutoring; give tests and lead games. The ability to work well with other students in a leadership role is very important and the AT also needs to be able to lead by example and follow all classroom rooms (no cell phone, no food etc).

LATE ARRIVAL OR EARLY RELEASE

Grades: 11 - 12

Credit: None

Seniors may have two periods total of a late arrival or early release if they are on track to graduate. Students opting for this choice are not to be in the school building during the period they are released. If the student needs to work in the library occasionally during that release period, he/she needs a note from the teacher requiring the work.