

FINE ARTS

Art, Instrumental Music, Vocal Music Required Credits: 1

Advanced Art: Drawing and Painting (prereq: Art Foundations)

Elective class—lab fee

Credit: 1

Full year

Grades: 10-12

A course for students who want to study two-dimensional artwork. Students will explore and develop drawing skills, painting and printmaking and graphic design. Students are encouraged to develop a portfolio of their work.

*May be taken more than once for credit (C or better in previous).

Art Foundations

Elective class—lab fee

Credit: 1

Full year

Grades: 9-12

This course encompasses a wide variety of art media and techniques, as well as a broad overview of art history and multicultural studies. Opportunity is given for the experimentation and the development of art skills. Awareness of all the fine arts is stressed, as is an understanding of career choices in art related fields. Self-expression is the basis for the class. Through this course the student will begin to recognize his or her creative self.

Ceramics (prereq: Art Foundations)

Elective class—lab fee

Credit: 0.5

Semester 1

Grades: 10-12

The focus of this course is three-dimensional work with clay. Students will have the opportunity to work with both earthenware and porcelain clay. Students will explore age-old hand building techniques as well as develop their pottery making skills on electric potter's wheels.

*May be taken more than once for credit (C or better in previous).

Sculpture (prereq: Art Foundations and Ceramics)

Elective class—lab fee

Credit: 0.5

Semester 2

Grades: 10-12

This course is for students who want to further explore three-dimensional artwork or the ceramics student who wants to continue clay work for a second semester. There will be opportunities to create sculptures using various media such as clay, plaster, wire and paper. Independent projects are encouraged.

*May be taken more than once for credit (C or better in previous).

Jazz Band (prereq: enrollment in Symphonic Band or audition)

Elective class, major performance class

Credit: 1

Full year

Grades: 9-12

This group studies and performs a variety of literature, including swing, jazz, and rock. Students are introduced to jazz theory, history, ear training showmanship, and jazz techniques. Special emphasis is placed on developing improvisation skills and ensemble playing. Membership requires a high degree of musical skill and personal discipline as well as practice at home. Each student will be required to attend all performances as listed by the director.

*May be taken more than once for credit.

Orchestra (prereq: 8th grade Orchestra/see Mrs. Athman about instruments)

Elective class

Credit: 1

Full year

Grades: 9-12

The study of a variety of literature for violin, viola, cello and bass; music theory, history and composition will be covered. Students will be responsible for practicing their music at home, performing with the

orchestra, and participation. Violinists and violists must have their own instrument. Cellists and Bassists MUST be registered by May 15th to be eligible reserve an instrument for home practice.
*May be taken more than once for credit.

Symphonic Band (prereq: MS Band or consent of instructor)

Elective class

Credit: 1

Full year

Grades: 9-12

Symphonic Band develops the young musician in the areas of music theory, history, ear training, instrumental technique, and performance. Literature and performance will focus on concert band, marching band, and pep band techniques. This class includes: woodwind, brass, and percussion instruments. Students will be responsible for practicing their music at home, performing with the band, and participation. This band is primarily performance based.

*May be taken more than once for credit.

Chanteur Choir (prereq: successful audition/consent of instructor)

Elective class

Credit: 1

Full year

Grades: 9-12

An auditioned group of mixed voices which meets as a regular class. Students in this group are advanced musicians who work on challenging choral literature. This choir performs at each of the major concerts, Western A Choir festival, dinner performances, district and state music festival. Auditions required.

*May be taken more than once for credit.

Musical Theater

Elective class

Credit: 0.5

Either semester

Grades: 9-12

This course is for those students who are interested in the different aspects of musical theater. Students will be introduced to theater genre which includes: musical selections, costumes, properties, makeup, music, stage, scene, lighting, and sound design. This class will also work on productions scheduled for the current year.

*May be taken more than once for credit.

Music Studio Ensemble—Men

Elective class

Credit: 0.5

Either Semester

Grades: 9-12

This course is designed for students wanting to explore various instruments including voice, guitar, keyboards and percussion. Basic techniques for each instrument will be introduced along with music theory, music history, ear-training and performance. Students will receive instruction in the use of music notation and recording software programs, audio recording, mixing and editing. This semester-long class will be split into six three week sessions – 1) voice, 2) guitar, 3) keyboard, 4) percussion, 5) music technology, and 6) composition.

*May be taken more than once for credit.

Music Studio Ensemble—Women

Elective class

Credit: 0.5

Either Semester

Grades: 9-12

This course is designed for students wanting to explore various instruments including voice, guitar, keyboards and percussion. Basic techniques for each instrument will be introduced along with music theory, music history, ear-training and performance. Students will receive instruction in the use of music notation and recording software programs, audio recording, mixing and editing. This semester-long class will be split into six three week sessions – 1) voice, 2) guitar, 3) keyboard, 4) percussion, 5) music technology, and 6) composition.

*May be taken more than once for credit.

Ovation Choir (prereq: successful vocal/dance audition, consent of instructor)

Elective class

Credit: 0.5

Semester 2

Grades: 9-12

A small auditioned performance group of mixed voices which meets as a regular class. Students in this group are advanced musicians who work on challenging choral literature incorporating some choreography. Students study theory, history, ear training, and vocal improvisation as well as different types of movement. **Membership requires a high degree of musical skill and personal discipline.** Each student is required to attend all performances as listed by the instructor. *May be taken more than once for credit.

FOREIGN LANGUAGE

French I

Elective class

Credit: 1

Full year

Grades 9-12

Introduction to French language and culture. Students will learn basic vocabulary and grammar concepts. Emphasis is on written and oral communication. Target language usage will be stressed.

French II

Elective class

Credit: 1

Full year

Grades: 9-12

Intermediate students will continue to build grammar and vocabulary skills. Oral and written language proficiency will increase. Short level appropriate literary paragraphs will be examined and discussed. Target language will be encouraged.

French III

Elective class

Credit: 1

Full year

Grades: 10-12

More advanced usage of oral and written skills will be required. Short level appropriate literary paragraphs will be examined and discussed. Target language will be required.

French IV or V (HON) (prereq: C in French III—IV)

Elective class

Credit: 1

Full year

Grades: 11-12

Advanced grammar and syntax, and French literature and history will be presented. Target language will be required.

Spanish I

Elective class

Credit: 1

Full year

Grades: 9-12

An introductory class to Spanish language and culture. Emphasis is on listening comprehension and oral communication. Reading and writing are also stressed. All activities are designed to teach skills usable in authentic communication.

Spanish II

Elective class

Credit: 1

Full year

Grades: 10-12

A continuation of the skills taught in Spanish I. Spanish dialogue is encouraged through meaningful and culturally authentic practice. Focus is on mastery of high frequency vocabulary and structures in both oral and written contexts.

Spanish III

Elective class

Credit: 1

Full year

Grades: 11-12

An interactive, conversationally oriented course. Reviews structure and continues to stress vocabulary acquisition. Advanced conversation and writing skills are emphasized.

Spanish IV or V (HON) (prereq: C in Spanish III—IV)

Elective class

Credit: 1

Full year

Grade: 12

Students should be prepared to speak almost exclusively in Spanish. Conversation and writing continue to be stressed with additional emphasis on authentic Spanish and Hispanic literature.

HEALTH ENHANCEMENT

Required Credits: Health— .5 and P.E. 9— 1

Competitive Sports

Elective class

Credit: .5

Either semester

Grades: 10-12

Students will be required to dress out and participate. Students will do cardiovascular workouts along with fitness testing. Some sports that will be covered are basketball, volleyball, tennis, bowling, flag football, table tennis, badminton, and pickle ball.

*May be taken more than once for credit.

Health

Required class

Credit: .5

Either semester

Grade: 9

Students will receive information on specific drugs, chemical dependency, tobacco and issues like side stream smoke and the consequences and problems of using tobacco, alcohol, and drugs. Students will be updated on the following topics: AIDS, STDs, nutrition, wellness, fitness, first aid, eating disorders, cardiovascular system, muscles, skeleton, reproductive system, stress, and relationships.

Life Sports

Elective class

Credit: .5

Either semester

Grades: 10-12

An elective PE class offered that focuses on sports that you can do the rest of your lives. It is a lot of fun. Some examples of the sports we will do include: Bowling, ping pong, racquet sports, fishing, golfing, etc... So grab a friend and sign up for the class.

*May be taken more than once for credit.

Motion

Elective class

Credit: .5

Either semester

Grade: 10-12

Students will complete a cardiovascular workout for the first half of the class including Zumba, Dance, Yoga, Aerobics, Water Aerobics, and Tae Bo. The second half of the class will focus on working in the weight room with circuit training. Designed to tone up our bodies and become physically fit.

*May be taken more than once for credit.

Physical Education 9

Required class

Credit: 1

Full year

Grade: 9

Students will develop sport and activity skills in both team and individual activities. Students will understand the value of personal fitness and wellness. Students will experience positive social interaction through physical activity, sports and games and participation in an environment designed to enhance self-esteem through successful experiences.

Weight Training and Conditioning

Elective class

Credit: .5

Either semester

Grades: 10-12

This class will concentrate on conditioning the body by using free weights and weight machines. Modern principles of weight training will be taught with an emphasis on correct technique. A personalized, student-designed weight training and conditioning program will be the long term goal of the class. Agility, flexibility, cardiovascular fitness, and nutrition will be among the other areas of emphasis.

*May be taken more than once for credit.

Women's Weight Training and Conditioning

Elective class

Credit: .5

Either semester

Grades: 10-12

This class will be offered to young women to concentrate on conditioning the body by using free weights and weight machines. Modern principles of weight training will be taught with an emphasis on correct technique. A personalized, student-designed weight training and conditioning program will be the long term goal of the class. Agility, flexibility, cardiovascular fitness, and nutrition will be among the other areas of emphasis.

*May be taken more than once for credit.

ENGLISH

Required Credits: English—4 and Speech—.5

Advanced Placement English Language (AP Junior) (prereq: application and recommendation)

Substitutes for English 11

Credit: 1

Full year

Grade: 11

A course preparing students to take the AP English Language and Composition examination. It also prepares students to handle written discourse in preparation for their AP Senior English course. Through the study of the structure and development of expository writing, students will determine how rhetorical techniques such as diction, syntax and tone support the author's intent. Writing skills are developed through the planning, writing and revision of a variety of sustained essays using analytical expository and argumentative essays as models. Reading is a combination of fiction and nonfiction. Mechanics will be stressed in the creation of a publishable document.

Advanced Placement English Literature (AP Senior) (prereq: application and recommendation)

Substitutes for English 12

Credit: 1

Full year

Grade: 12

Advanced Placement is a course intended only for those students who exhibit excellence in literary scholarship and formal writing. This course is very rigorous in terms of assigned reading and the volume of formal literary analysis expected from its participants; students will be hand-picked only after pre-testing for entrance into the class. Students chosen to take this course will be expected to take the AP exam for college credit. Students are introduced to a variety of literature and writing instruction, and are responsible for work at the level of difficulty expected from college freshmen. Students are expected to read during holidays (not always, but usually) and during the summer (mandatory), in order to duplicate the quantity of work usual for college composition classes. Students' writing is evaluated with the criteria used to evaluate college freshmen writers. Literature is chosen from the national AP reading list. Extensive concentration on vocabulary, formal essay writing procedure (with extreme emphasis on literary analysis and criticism) and class discussion.

English 12

Required class

Credit: 1

Full year

Grade: 12

This class primarily explores British literature from 449 A.D. to present. The curriculum surveys various literary genres that have endured centuries of change. It includes two novels (*1984* and *Three Cups of Tea*), Shakespeare's *Macbeth*, Shaw's *Pygmalion*, and poems from various genres; art, music, short stories and magazine articles are also components of the curriculum, providing students exposure to a very broad range of literature. Journals are used to practice writing on a daily basis. Close reading and interpreting and further work with compare and contrast and argumentative pieces are the primary writing tools of composition used in this class.

English 11

Required class

Credit: 1

Full year

Grade: 11

This is primarily a survey course examining the major authors and themes of American Literature and other related themes. Includes novels, poetry, composition and short stories in historical perspective.

English 10

Required class

Credit: 1

Full year

Grade: 10

English 10 is a literature survey course, which concentrates on reading and response. Students will read a variety of poems, short stories, essays, myths, drama, and novels. These readings will be followed by written response in the form of journal entries, poems, short stories, research papers and essays. Authenticity is showcased through presentations and publishing. In addition, students will build vocabulary through

context reading and Greek roots study. Grammar, usage, logic, development and fluency will be emphasized.

English 9

Required class

Credit: 1

Full year

Grade: 9

This course is designed to be a basic survey of literature, a review of grammar, an introduction to new vocabulary, and development of writing techniques. Students read a variety of literary works including short stories, novels, poetry, and drama ranging from different cultures and time periods. Students respond to the literature using journals, essays, research, creative stories, discussions, and creative projects. Emphasis is placed on competence in organizing an effective argument through writing and discussion. Focus is also placed on the exercise of communication skills through public speaking activities, projects, and presentations.

Fantasy Fiction

Elective class

Credit: .5

Semester 1

Grade: 10-12

This class will explore the theme of the genres of Horror Fiction and Fantasy Fiction. The class will look at the historical origins, cultural impacts and literary elements using classic written and cinema/television works in these genres.

Honors English 10 (prereq: application and recommendation)

Substitutes for English 10

Credit: 1

Full year

Grade: 10

Honors English 10 is designed to further prepare students for AP Junior and Senior English. The content in Honors English 10 is similar to English 10; however, the material and discussion in Honors English 10 is explored with greater width and breadth and in a more competitive atmosphere. Students are expected to complete a summer assignment before full admittance.

Honors English 9 (prereq: application and recommendation)

Substitutes for English 9

Credit: 1

Full year

Grade: 9

Like English 9, Honors English 9 is designed to be a basic survey of literature, review of grammar, introduction to new vocabulary, and writing techniques. The students are held to a higher academic standard; the selection of literature is similar to that of English 9, the class is more academically rigorous with a heavy emphasis on effective communication through discussion and writing, as well as creative interpretation. Students read a variety of literary works including short stories, novels, poetry, and drama ranging from different cultures and time periods. Students respond to the literature through a variety of methods: journals, essays, research, creative stories, discussions, and creative projects. Emphasis is placed on competence in organizing an effective argument through writing and discussion. Focus is placed on the exercise of communication skills through public speaking activities, presentations, and dramatic performance.

Journalism (prereq: application) INDEPENDENT STUDY CLASS

Elective class

Credit: 1

Full year

Grades: 9-12

Journalism is an independent study class in which the students will create the yearbook. Students will take photographs, do page design, and sell advertising as well as other tasks needed in order to complete the yearbook. All work is done on computer in an assigned location. Students will check in with the instructor on a daily basis for assignments and proofing of work.
*May be taken more than once for credit.

Science Fiction

Elective class

Credit: .5

Semester 2

Grade: 10-12

This class will explore the theme of the genres of Science Fiction. The class will look at the historical origins,

cultural impacts and literary elements using classic written and cinema/television works in these genres.

Speech

Required class

Credit .5

Either semester

Grade: 10

This course is designed to increase confidence, upgrade public speaking skills, gain awareness of the techniques of persuasion, promote objectivity and instill the concept of positive communication. Students are required to make weekly presentations focusing on different skills. The culminating demonstration is a formal presentation.

Timeless Shakespeare (pre-requisite English 9/Honors English 9)

Elective Class

Credit: 0.5

Either Semester

Grade 10-12

Shakespeare is an upper-level elective class designed for a mature student who would like to learn more about the Renaissance period, William Shakespeare, his works, and how they translate into our modern society. In addition to reading and discussing selected plays, we will watch modern film adaptations of Shakespearean works reinforcing the fact that Shakespeare's themes and characters are indeed timeless. This class will have a guest speaker who will address and guide the students on acting, performing, and interpretation of Shakespearean works. Therefore students should expect to expand their imagination and performance skills. This class is a half a credit and semester long class. This English elective will provide students with a further appreciation of Shakespearean work all the while developing their reading, writing, creativity, social, and presentation skills.

MATHEMATICS

Required Credits: 3
MUST BE TAKEN IN CONSECUTIVE YEARS

Algebra II (prereq: Geometry)

Full year

Credit: 1

Grades: 9-12

This course is an extension of algebraic topics from Algebra I. Topics include: functions and their inverses, linear programming, quadratic functions, radical functions, polynomials, rational functions, exponential and logarithmic functions, statistics, and trigonometric functions. Problem solving and real world modeling are emphasized throughout. The use of the graphing calculator is an integral part of the class.

Algebra (prereq: Pre-Algebra and/or placement)

Full year

Credit: 1

Grades: 9-12

Students work with equations, graphing, solving and introducing functions as well as with real numbers, variables, ratios, proportions and percents, inequalities and their graphs, polynomials, radicals and basic geometric concepts. Using calculators and computer software is an integral part of this class.

AP Calculus AB (prereq: Pre-Calculus)

Full year

Credit: 1

Grades: 10-12

This course will focus on single variable differential and integral calculus. Students enrolled in this course will be prepared to take the Advanced Placement AB Calculus Exam and seek college credit. The course outline will follow the topics from the College Board Advanced Placement Mathematics Course Description and will include studies of functions, limits, differentiation, applications of differentiation, integration, and applications of integration. Graphing calculator competency is necessary for this course. Students must own or rent from the school a graphing calculator for this course.

AP Calculus BC (prereq: AP Calculus AB)

Full year

Credit: 1

Grade: 11-12

This course will focus on more integration techniques, sequences and series, and using polar, parametric and vector equations. Students enrolled in this course will be prepared to take the Advanced Placement BC Calculus Exam and seek college credit. The course outline will follow the topics from the College Board Advanced Placement Mathematics Course Description and will include studies of functions, limits, differentiation, applications of differentiation, integration, and applications of integration from Calculus AB as well as new topics of study including integration techniques, infinite series, conics, parametric equations, polar coordinates, and vector-valued functions. Graphing calculator competency is necessary for this course. Students must own or rent from the school a graphing calculator.

Applied Math Solutions (prereq: Geometry)

Elective

Full year

Credit: 1

Grades 11-12

This course will take knowledge acquired in algebra and geometry and apply it to solving everyday problems that arise in the real world. Topics include, but are not limited to, budgeting, banking, investing, credit, insurance, probability and gambling, construction, home repair and maintenance, and career specific mathematics.

Blended Algebra (Pre-Alg./Alg.) (prereq: Placement by teacher)

Full year (Meets every day)

Credit: 1 Math and 1 Elective

Grades: 9-12

This class begins by preparing students for algebra. Students work with variables, simple equations, positive and negative rational numbers. They develop and apply formulas with polynomial expressions, two variable equations, decimals, and percents, and square roots and squares. Use of calculators and computer software

will be an integral part of this course.

By the end of semester one, students will progress to Algebra curriculum and work with equations, graphing, solving and introducing functions as well as with real numbers, variables, ratios, proportions and percents, inequalities and their graphs, polynomials, radicals and basic geometric concepts. Using calculators and computer software is an integral part of this class.

Geometry (prereq: Algebra)

Full year

Credit: 1

Grades: 9-12

Students work with basic geometric figures, points, lines and planes, and continue to expand properties of these to polygons. Enhancement of logical thinking methods and proving ideas is an area of focus. A transformational approach is used as well. Application of algebra skills continues. Using computer software, especially a drawing package, is an integral part of this class.

Intermediate Algebra (prereq: Geometry)

Full year

Credit: 1

Grades: 11-12

Introduction or expansion of knowledge in Linear Equations and Inequalities, Functions, Polynomials, Factoring, Rational Expressions, Exponents, and Quadratics. This class is designed to prepare students to take Algebra 2 for dual credit as a senior or enter a college level math course upon graduation.

Practical Math (placement only for special education students with mathematics disability)

Full year

Credit: 1

Grades: 9-12

This course is designed to strengthen students' abilities to manipulate whole numbers, fractions and decimals, and to review ratio, proportions, and percent through use in everyday life problems such as banking, budgeting, shopping, credit, home costs, retail sales, and business expenses. The use of calculators will be limited to what is deemed appropriate by the instructor.

Pre-Calculus (prereq: Advanced Algebra)

Full year

Credit: 1

Grades: 10-12

Students will work with and expand areas of all basic functions from Adv Alg, polynomial and rational functions, exponential and log functions, trigonometry, analytic geometry, and sequences and series with probability. Problem solving strategies and real world applications are emphasized. Students must own or rent from the school a graphing calculator for this course.

Probability & Linear Math (prereq: Advanced Algebra)

Full year

Credit: 1

Grades: 11-12

Systems of linear equations and matrix algebra. Introduction to probability with emphasis on models and probabilistic reasoning. Examples of applications of the material in many fields.

CAREER TECHNICAL EDUCATION (CTE)

**Agricultural Education
Business Education/Computers
Corvallis Creative Media
Technology/Industrial Arts**

Required Credits: Computer Tech—.5 and Electives—1

Advanced Agriculture Science I/II (prereq: Intro to Agriculture I/II)

Elective Class

Credit 0.5

Either Semester or full year

Grades 10-12

This course will further develop the skills and concepts addressed in the introduction course. Membership in the Corvallis FFA Chapter will be possible through this course.

Agriculture Leadership

Elective class

Credit: 0.5

Fall Semester

Grade: 9-12

The Agriculture Leadership class will cover the majority of lessons designed by Life Knowledge, which is a curriculum designed by the National FFA Organization and sponsored by John Deere. These lessons help develop student's potential to be leaders in the classroom, school, and community. Along with leadership development students will be learning skills used in the agriculture industry, as well as other industries, such as Parliamentary Procedure, public speaking, workshop training, and job interviews. The Agriculture Leadership class will be present lessons to the Corvallis Elementary and Middle School on different agriculture topics as well as some of the workshops learned during instruction. Student's time will be split between the classroom, hands on projects and field trips around the valley. Membership in the Corvallis FFA Chapter will be possible through this course.

Agriculture Mechanics

Elective class

Credit: 0.5

Spring Semester

Grade: 9-12

The agriculture mechanics curriculum is based on the needs of the agriculture industry. The students will experience hands on mechanical projects throughout the entire year. The purpose of the class is to cover the various areas of mechanics needed in the field of agriculture. The agriculture mechanics course will apply the skills of woodworking, welding, small engines, and other important skills in the agriculture industry. This course will provide students with experience in maintenance and unique problem solving scenarios. Students will start the course with demonstration of basic skills of welding, woodworking, small engines and electricity with simple projects that are not expected to take more than a week per project. Additionally students will do a variety of career exploration activities such as resume building, interview skills, and a variety of different training programs. Student's time will be split between the classroom, hands on projects and field trips around the valley. Membership in the Corvallis FFA Chapter will be possible through this course.

Agriculture Principles of Food Science

Elective class

Credit: 0.5

Either semester or full year

Grade: 9-12

The production of consumable products for the population is the primary purpose of the agriculture industry. It's important for us to be innovative in continuing to develop a safe, healthy and affordable food supply for a growing world population. All food produced is the application of chemistry. Students will start the course with a paradigm shift in considering food as a science. Through inquiry based education, students will investigate basic and organic chemistry. Students will investigate food safety and sanitation regulations and commercial food production. Students will also complete the ServSafe certification. Membership in the Corvallis FFA Chapter will be possible through this course.

Agriculture Sales and Marketing

Elective class

Credit: 0.5

Fall or Spring Semester**Grade: 9-12**

Students will be engaged with learning about sales, marketing, and communication skills as they would be applied to agriculture. There will be numerous projects that will be used to connect students with the concepts. Students will be complete the course with a marketing assessment of a local business or a business they would like to start. Student's time will be split between classroom work, guest lectures, projects, and field trips. Membership in the Corvallis FFA chapter will be possible through this course.

Agriculture Veterinary Science**Elective class****Credit: 0.5****Fall Semester****Grade: 9-12**

This course will provide a deeper investigation into animal systems, nutrition, and disease. Students will study clinical practice and applications. Membership in the Corvallis FFA Chapter will be possible through this course.

Applied Technology in Agriculture**Elective class****Credit: 0.5****Fall or Spring Semester****Grade: 9-12**

Students will be engaged with the numerous applications of technology in agriculture. Some examples include computers and coding in the production agriculture, satellite imaging, use of advanced instruments in crop analysis, and advanced data collection. Student's time will be split between classroom work, guest lectures, projects, and field trips. Membership in the Corvallis FFA chapter will be possible through this course.

Horticulture in Agriculture**Elective class****Credit: 0.5****Spring Semester****Grade: 9-12**

This course will study the basic fundamentals of plant and soil science. Students will study various seeding and plant propagation techniques as well as photosynthesis, plant reproduction, and essential plant nutrients. Additionally students will research biological, cultural, chemical control of horticulture plants. Students will study basic soil types, and various growing media, they will learn how to raise plants using hydroponics in a soil-less environment. Students will gain experience in greenhouse production practices as they raise and market a horticulture crop. Students will also be taught some basic turf grass management strategies, floriculture, landscape design and landscape construction. Class time will be divided between classroom instruction and hands on activities in the greenhouse. Membership in the Corvallis FFA Chapter will be possible through this course.

Intro to Agriculture I /II**Elective class****Credit: 0.5****Either semester or full year****Grade: 9-12**

Student will be exploring animal agriculture, the role of natural resources in agriculture production, as well as the importance of plants in the agriculture. Additionally, students will discuss and evaluate the food industry. Marketing, communication skills, and financial planning will be covered in different units as well. Student's time will be split between the classroom and field trips around the valley. Membership in the Corvallis FFA Chapter will be possible through this course.

Advanced Accounting—Independent Study (prereq: Business Accounting and consent of instructor)**Elective class****Credit: 1****Full year (concurrent with accounting)****Grade: 12**

This course is recommended for students who have a particular interest in accounting, and who plan to study business/accounting in college or who will be entering the workforce in a business related field after high school. Students would complete an internship in an area of interest, as well as pursue accounting, marketing, or other areas of interest in class.

Business Accounting, Marketing, & Entrepreneurship**Elective class****Credit: 1****Full year****Grades: 10-12**

If you plan on a BUSINESS MAJOR in college, this class is for you. Accounting and business management concepts will be emphasized throughout the year.

Students will also be introduced to marketing principles, basic economics, and entrepreneurship.

Students develop an understanding of how business affects

their everyday lives, learn about the economic system and its role in business, how private enterprise works, how businesses are organized, how prices are determined and what role the government plays in business.

Computer Technology

Required class

Credit: .5

Either semester

Grade: 9

A one semester course teaching students basic computer components, internet literacy, word processing, spreadsheets, and presentation software. THERE MAY BE A POSSIBILITY OF WORKING IN A MAC LAB ALSO.

Computer Programming and Game Design (prereq: Algebra)

Elective class

Credit: 0.5

Either Semester

Grades 9-12

Learn the basics of computer programming structure. We will start by learning to build code using Scratch, a visual interface that allows us to learn the structure of code without having to write code. We will then move to learning Adobe Flash. This is an object-oriented language that is powerful and easy to use. We will be creating our own video games that can be played on the web and on your mobile device. This class will be useful if you are looking into pursuing a technical career (computer science, software engineering) or a creative career in content creation (website design, animation, special effects). Mathematical and artistic skills will be used.

Creative Computing

Elective class

Credit: .5

Semester 2

Grades: 10-12

Students will have the opportunity to pursue areas of interest in the computer technology field. The course will focus on using technology as a tool to solve real world problems. Areas of focus will include website design (Dreamweaver), animation (Flash), movie making, and exploring Web 2.0 tools. THERE MAY BE A POSSIBILITY OF WORKING IN A MAC LAB ALSO.

*May be taken more than once for credit with a C or better in previous class.

Graphic Design

Elective class

Credit: .5

Semester 1

Grades: 10-12

This class introduces students to the art of graphic design. It is a project-based course that allows students to learn and apply design principles using two programs: Adobe Photoshop and Adobe Illustrator.

Students will learn how to use these programs separately but will also see how they integrate with each other. Students will use their own creativity to design, create, format, and edit a variety of projects.

*May be taken more than once for credit with a C or better in previous class

Personal Finance

Elective class

Credit: .5

Semester 1

Grades: 11-12

Personal finance provides students with the opportunity to learn sound money management skills. The following topics will be covered: goal setting, careers, budgeting, banking, savings and investments, credit and credit cards, loans, and insurance. The object of this course is to prepare students to make sound financial decisions and manage their finances after high school.

Street Law

Elective class

Credit: .5

Semester 2

Grades: 11-12

Students will explore a variety of law-related topics in business and personal law. Students will learn about the United States legal system, rights and responsibilities of citizens, methods of solving disputes, the

juvenile justice system, criminal law, torts, contract law, consumer rights, and a variety of other topics. Students will also have the opportunity to explore and research particular areas of the law that are of interest to them.

Media Arts I

Elective class

Credit: 1

Full Year

Grades: 9-12

Media Arts is a full year course of study. The major class project will be to write, produce, direct, act, and edit a short, dramatic film. The class will choose and develop the story and then participate in all facets of the filmmaking process. At the end of the year, the complete film will be screened in a “mini” film festival hosted by the class. Media Arts has been designated as a “School to Work” program by the State of Montana. Thus, one of the goals is to expose students to filmmaking and the media as a potential career. To this end, professional guest speakers may conduct guest seminars with the class.

Media Arts II (pre-req: Media Arts I or interview)

Elective class

Credit: 1

Full Year

Grades: 10-12

Each student will create, write, produce, direct, act and edit his/her own short film. This differs from Media Arts I in which the class makes a film as a team. The film can be any style/genre the student chooses with the approval of the instructor, e.g. dramatic, documentary, commercial, music video, experimental, cinema verite’. At the end of the year, the completed films will be screen in a “mini” film festival hosted by the class. Class time will focus on the following: the history of American cinema, the content and style of foreign films, how and why technical choices affect an audience and detailed “hands-on” seminars. *May be taken more than once for credit.

Building Log Furniture

Elective class—Lab Fee

Credit: .5

Either Semester

Grades: 10-12

Students will build different types of log furniture including: benches, chairs, tables, stools, bed frames, etc. They will make their own draw knife to peel logs, use current and old technology to produce furniture on their own. An emphasis will be placed on safety guidelines, woodworking techniques, joinery, finishing, and drafting plans. *May be taken more than once for credit

CAD 3-D Modeling and Design (Computer Aided Drafting)

Elective class

Credit: 1

Full Year

Grades: 9-12

Course designed to provide drafting students with information and practical experiences. Students will learn the basics and advanced tools used in 3-D modeling: preparing carious sketches, performing basic layouts, detailing drawings, using reproduction techniques, and using computer assisted drafting processes to produce drawings where available.

Career Technical Education Independent Study (prereq: 2 credits of classes with Mr. Middleton and/or Mr. Nelson)

Elective class—Lab Fee

Credit: .5

Either Semester

Grades: 11-12

A class designed for students who have scheduling issues. Students will complete an individual project of their choice as well as be expected to mentor the students in the Intro to Industry, Woodworking, and House and Building Design classes.

DIY (I can do it!)

Elective class—Lab Fee

Credit: .5

Either Semester

Grades: 9-12

A female only course in empowering women to have the confidence in completing tasks in a non-threatening environment. Students will learn about engineering, basic automotive maintenance, remodeling practices, electrical repair, correct tool usage, wood working, welding, interior and exterior

home design, backing up a trailer, and much more. The final project will include making a how to video on a project they never thought they could accomplish.

House and Building Design

Elective class

Credit: 1

Full Year

Grades: 9-12

Students will produce architectural drawings including: floor plans, elevations, electrical, foundations, roof plans, building sections, and cross-section plans. Emphasis will be placed on reading blueprints as well as creating a complete house plan of your choice.

*May be taken more than once for credit

Introduction to Industry

Elective class — Lab fee

Credit: .5

Either semester

Grades: 9-12

Students will learn about the following areas of Industry: Woodworking, technology in construction, and carpentry. Six weeks will be devoted to each area.

1. **Woodworking** will include learning the safety of power tools in the woodshop, board drafting, and building a small project.

2. **Technology in construction** can include drawing of architectural blueprints, 3-D design, laser engraving, and CNC projects.

3. **Carpentry and construction** can cover careers related to the construction industry, building materials, electrical wiring, pouring concrete, and wall framing. Students will work inside and outside on projects needed for the school.

Small Engines

Credit: .5

Elective class —Lab fee

Grades: 9-12

Either semester

Students will study the internal combustion engine systems (lubrication, ignition, mechanical, cooling and fuel). Each student will be responsible for bringing a 5HP Briggs & Stratton engine to break down, calibrate and recondition.

*May be taken more than once for credit.

Welding

Elective class—Lab fee

Credit: .5

Either semester

Grades: 9-12

Students learn about all phases of the welding field and are instructed in the science and technology of metal and their properties. Students draw a set of working drawings for a project made out of metal and gain the knowledge of the different types of welds and their symbols. The basic skills of arc, oxy-acetylene, mig and tig welding are included.

*May be taken more than once for credit.

Woodworking I (prereq: *Intro to Industry sem 1 for 9th)

Elective class—Lab fee

Credit: .5

Either semester

Grades: *9-12

A basic course in woodworking and board drafting. Students will learn the correct operating procedures of all power tools, including properly changing blades, bits, and parts. An emphasis will be placed on safety guidelines, drafting, woodworking techniques, assembly procedures and finishing techniques.

Students will complete a set of drawings to construct a woodworking project of their choice. Advanced woodworking techniques will be covered independently with students to meet their project needs.

*May be taken more than once for credit.

Woodworking II (prereq: *Woodworking I)

Elective class—Lab fee

Credit: .5

Either semester

Grades: 10*,11,12

An advanced course in woodworking practice at a more sophisticated level. Students will complete a set of working drawings to construct a woodworking project of their choice. Advanced woodworking techniques will be covered independently with students to meet their project needs.

Required Credits: 3

SCIENCE

Required Credits: 3

Advanced Placement Biology (AP) (prereq: Chemistry/Biology II Advised)

Elective lab class

Credit: 1

Full year

Grade: 11-12

AP Biology follows the College Board AP curriculum. This is a rigorous, college level course. A significant amount of time working outside of class will be required to master concepts and complete projects. Topics of study include: cell biology, biochemistry, evolution, ecology, genetics, the human body and animal behavior. Students should expect a heavy workload and an excellent learning experience including scientific discussions, laboratory exercises, field trips, and guest speakers. Summer assignment may be required.

Alternative Energy (prereq: Biology I)

Elective lab class

Credit: 1

Full year

Grades: 10-12

Come explore the world of alternative energy. This class will focus on three areas: researching and learning about alternative energy sources, building our own alternative energy sources and looking at policy decisions that affect how we use energy now and in the future. This class will be hands-on and require students to learn about the basics of chemistry, physics and biology. Some areas we will explore include biofuels, solar, wind, hydrogen and nuclear power.

AP Physics (HON) (prereq: Chemistry or Biology II/Adv Algebra)

Elective lab class

Credit: 1

Full year

Grade: 10-12

Applications of formulas and data to real world physical problems; including matter, mechanics, energy, electricity, and magnetism optics. Collection, analysis, correlation and interpretation of data will be emphasized. Tools: computer with appropriate software, calculators - graphing with Computer Based Lab (CBL) capabilities, laboratory equipment applicable to matter, mechanics, energy, electricity, magnetism, optics, alternative energies.

Anatomy and Physiology (prereq: Biology I)

Elective lab class

Credit: 1

Full year

Grades: 10-12

A comprehensive study of human structure and function, surveying the various human systems: histology, skeletal, muscular, nervous, digestive, immune, endocrine, respiratory, and cardiovascular.

Biology I (prereq: Integrated Science or application for 9th)

Required lab class

Credit: 1

Full year

Grades: 9-10

Biology is a laboratory science course that covers the study of living things, with focus on the five fundamental biological concepts of cellular biology, genetics, ecology, evolution and physiology. The scientific process and laboratory skills are emphasized along with hands-on experiences that allow students to understand biology's connections to other scientific disciplines.

Chemistry (prereq: Biology I and Geometry)

Elective lab class

Credit: 1

Full year

Grades: 10-12

Chemistry includes a significant amount of laboratory assignments.. The major topics of study include: laboratory safety and methods, scientific measurement, atomic structure, chemical formulas, chemical bonding, chemical reactions, stoichiometry, matter, states of matter, gas behavior, gas laws, solutions, organic chemistry, electron configuration, and thermal chemistry.

Classroom Without Walls (prereq: application)

Elective lab class

Credit: 1

Two Semesters

Grades: 9-11

Semester 1: Summer field participants or teacher approval

Semester 2: Students accepted for summer field class

This is a field based course with a focus in science. Students will choose and develop topics, assess and evaluate sources of information, and write technical papers for publication as well as queries and proposals that are required in the publication process. This course requires a summer back packing trip as well as two semesters. Time in class will be spent developing projects, working with big horn sheep DNA and other field based projects. A video and audio documentary along with a final paper will be required in this class.

Ecology (prereq: Biology I)

Elective lab class

Credit: 1

Full year

Grades: 10-12

This course is designed to review major ecological concepts, identify the techniques used by ecologists, and provide hands-on field research experiments. The course will provide an overview of the themes involved in the relationships between organisms and the environment, population and community ecology, and evolutionary ecology. Students will be introduced to quantitative field science methodology and will participate in data collection for ongoing research projects in the local community.

Fisheries (prereq: Biology I)

Elective lab class

Credit: 1

Full year

Grades: 10-12

This lecture, laboratory and field course includes the study of Montana fish species. Classification and identification, anatomy and physiology, age and growth, reproduction, and behavior are major elements of the course. The field work will be in collaboration with Montana Fish, Wildlife and Parks. The laboratory work will be working with live fish eggs and watching their development to young adult.

Integrated Science

Required lab class (or Biology I in 9th)

Credit: 1

Full year

Grades: 9

The main topics in this course include the scientific method, primary literature, correctly using / converting numbers and measurements in science, and implementing various methods for studying physics, chemistry, and geology. Topics will be taught using lecture, classwork and labs.

SOCIAL STUDIES

Required Credits: 3

AP United States Government and Politics

Substitutes for PAD

Credit: 1

Full Year

Grade: 12

This AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

AP U.S. History

(prereq: B in 10th grade English and application)

Substitutes for U.S. History

Credit: 1

Full year

Grade: 11

AP U.S. History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit if they take and pass the advanced placement test in the spring. It is a two-semester survey of

American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography.

Geography

Required class

Credit: 0.5

Either Semester

Grade: 10

The study of our world and our role in it is of ever-increasing importance. This geography class begins with special importance being placed on map, and compass reading, water bodies, climate and weather, physical features, plate tectonics, and physical features. With this physical geographical foundation established, we move on to study the human and cultural aspects of the world from Corvallis to the "far corners" of the earth.

Economics

Elective class

Credit: .5

Either semester

Grades: 11-12

This course will give students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. It will include the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics.

PAD—Principles of American Democracy

Required class

Credit: 1

Full year

Grade: 12

Students are introduced to the dynamic process of our political system.

Focuses on separation of powers (federalism), the role of state and local government in our everyday lives, and current events. Includes the critical study of the U.S. Constitution and other documents. Students are expected to work cooperatively and independently on creative projects that demonstrate their understanding of concepts and philosophies associated with American government.

U.S. History

Required class

Credit: 1

Full year

Grade: 11

U.S. History takes a comprehensive look at the history of America from the early colonization of North America through the modern era. This course uses a variety of teaching materials and methodology: role plays, simulation re-enactments, mock court proceedings, debate, numerous audio and visual aids. By the completion of the course, the student has an effective understanding of America's political, historical, economic and social development.

World History

Required class

Credit: .5

Either semester

Grade: 10

In this course, students will explore various regions and topics from the Renaissance to the present (1300s-today). A quick world history review up to this point will be done first, then our journey down the timeline will begin. Cause and effect will be used, as well as synthesis of the information to understand why things are the way they are today in our world. Hypothesis will also be used to see what would have happened or how the world would look today if a certain event had never happened or occurred somewhere else in the world.

ELECTIVES

College Planning Class (7:30-8:15 two days per week)

Elective class

Credit: .25

Semester 1

Grade: 12

This is a P/F class which will meet 30-33 times and cover college admissions, test prep, SAT, ACT, college applications, scholarships, financial aid, etc. Students must attend 60% of the sessions to receive a Pass grade. If minimum requirement is not met, student will receive an F grade.

College and Career Readiness (7:30-8:15 two days per week)

Elective class

Credit: .25

Semester 2

Grade: 11

Complete ACT and SAT test prep, use the Montana Career Information Systems to complete college searches and requirements, as well as Interest Inventory, Interest Profiler, Reality Check, look at cost comparative between in-state and out-of-state colleges, look at and compare at least 3 colleges to apply to for the senior year, access transcript, understand components of the transcript, and build a resume.

Driver Education

Elective class

Credit: .5

Either semester

Grades: 9-12

Driver Education is an important class for future drivers. In this class, students will learn the basic rules of the road and the basic operation of a motor vehicle. They will also be taught defensive driving techniques as part of the course work. Course work consists of notes, videos, lectures, and other activities to help present the curriculum. The course work aligns with the state of Montana requirements for the minimum number of hours. Additional info may be found at

<https://sites.google.com/site/mrmasonschwebpage/home/driver-education> or

<http://opi.mt.gov/Programs/DriverEd/Index.html>.

For those wishing to pursue their license, the driving portion will be done after school and a fee of \$255 will be required. Payment due first week of class. Priority will be given to upperclassmen.

Independent Study Academic (prereq: 3.0 GPA, application, two teacher recommendations, and consent of instructor)

Elective class

Credit: .5

Either semester or FY

Grades: 11-12

Students will be able to pursue an independent course of study under the direction of Mrs. Knapp. Since class has limited students, students must select an alternative course when registering.

*May be taken more than once for credit.

Independent Study Learning Lab (placement only for Special Education students with approval from Case Manager)

Full year

Credit: 1

Grades : 9-12

Students will work on appropriate class work, quizzes, and tests from classes with the assistance of staff personnel having the opportunity for weekly grade checks using the Infinite Campus Portal. Students will receive credit for this course.

Internship (must have at least a 3.0)

Elective class

Credit: .5

Either semester or FY

Grades: 11-12

Students will be able to pursue an internship at a local community organization with the assistance of staff personnel. Attendance and quarterly essay highlighting important career aspects is due for passing grade.

Senior Release : Periods 1, 2, 3, 4, 5, 6, 7, 8

Elective class—two periods total, one per day **Credit: 0**

Either semester or FY

Grade: 12

Open to seniors who wish to be released for up to two block periods **per AB block** if they have enough credits to meet graduation requirements. **Students may not be on campus during senior release time. If this becomes a problem, students will be withdrawn from senior release and re-assigned to a class.**

TA (Teacher's Assistant) (prereq: cumulative GPA of 2.00 for previous grading period) At HS level, one TA per teacher

Elective class **Credit: .25/sem**

Either semester **Grades: 10-12**

Students must request a TA when signing up for courses. Teachers from primary school, middle school, and high school also request students. Students will be matched with teachers based upon requests. Teacher assistants help teachers or other school personnel by completing tasks as assigned. Students are required to be with their assigned teacher during this period. A grade of P (Pass) or F (Fail) will be given. P/F grades are not averaged in GPA but do show on the transcript.

*May be taken more than once for credit.

Work Release : Periods 1, 2, 3, 4, 5, 6, 7, 8

Elective class—two periods total **Credit: .25/sem**

Either semester or FY **Grade: 12**

Students may schedule a maximum of two periods of work release along with senior release per A/B block. All students enrolled in the work-release program must provide the school with proof that they have an approved job. This will include the signing of an agreement between the employer, the school, and the student.

- Approved work stations must be within Ravalli County and close enough to the school so that student employees can be on the job at least one hour during the school day.
- A grade of P (Pass) or F (Fail) will be given. P/F grades are not averaged in GPA but do show on the transcript.
- No student will be allowed to work as an employee for his/her own parents unless the parent is involved in a legitimate self-employed business that employs workers.
- Students are required to submit the number of hours worked and their check stubs on a monthly basis to the assigned counselor.

DUAL ENROLLMENT

Dual Enrollment Courses are offered here at Corvallis High School through the University of Montana Bitterroot College. Students must be 16 to take these courses. If student are not 16 they must have a 3.0 GPA or higher. These courses are offered for a reduced cost for students. Scholarships are available for one class per year for students that qualify for free and reduced lunch. The following courses are offered here at Corvallis High School. This list is constantly changing, so please check back here often.

CHS Course	University Course	College Credits
AP Calculus (Mrs. Hammill)	M 162 - Applied Calculus	4.0
Advanced Algebra (Mrs. Cleveland)	M 121 - College Algebra	3.0
Advanced Art (Mr. Silkwood)	ARTZ 105A - Visual Language - Drawing	3.0
Anatomy & Physiology (Mrs. Dickerson)	BIOH 108 - Basic Anatomy	3.0
AP Government (Mr. Leonardi)	PSCI 210S - Intro to American Government	3.0
Business & Accounting (Mrs. Leonardi)	ACTG 100 - Essentials of Accounting	4.0
Chemistry (Mr. Hammill)	CHMY101 - Chemistry for the Consumer	3.0
Pre-Calc (Mr. Soulliard)	M 151 - Precalculus	4.0
Probability and Linear Math (Mr. Soulliard)	M 115 - Probability and Linear Math	3.0
Speech (Mr. McConnaha)	COMX 111A - Intro to Public Speaking	3.0
Welding Certification (Mr. Nelson)	WLDG 103 - Welding Fund Construction Trades	2.0

