

2019 – 2020

JOHN F. KENNEDY HIGH SCHOOL



CURRICULUM GUIDE

MT. ANGEL SCHOOL DISTRICT 91

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SCHEDULING BASICS

This handbook provides information about course requirements and course descriptions that will assist you with choosing your courses. You must fulfill requirements for graduation through required and elective courses within a 7 period, semester schedule. Students earn one half-credit (0.5) for successfully completing each semester class, which amounts to a possible 3.5 credits/semester and 7.0 credits/school year. 24 credits are currently required in order to graduate. Our counselor, your family, your Advisory teacher, and/or your other teachers will all assist you with any additional information or clarification you need to select your classes. All students are required to take seven classes per semester unless there is parent/guardian, counselor and administrator approval. Students are encouraged to ‘think ahead’ and plan all four years of their high school careers. Some courses are only offered on a rotating, every other year basis. Some courses have pre-requisites (courses that must be taken first).

GRADUATION

A. Credits toward graduation are granted after successful completion of course work. In order to graduate, students must successfully complete the credits listed below, and in the following areas:

SUBJECT AREA	CREDITS REQUIRED
<i>ENGLISH</i>	4.0
<i>MATHEMATICS (ALGEBRA I OR ABOVE)</i>	3.0
<i>SOCIAL SCIENCE</i>	3.0
<i>SCIENCE</i>	3.0
<i>HEALTH EDUCATION</i>	1.0
<i>PHYSICAL EDUCATION</i>	1.0
<i>ARTS, SECOND LANGUAGE, CAREER TECHNICAL EDUCATION</i>	3.0
<i>CAREER (ADVISORY)</i>	0.5
<i>ELECTIVES</i>	5.5
TOTAL	24

B. In addition to the accumulation of 24 credits from above all students must also complete “Essential Skills” requirements in Reading, Writing and Math.

PLANNING YOUR SCHEDULE

The following information has been provided to encourage you to plan four years of classes

<u>English</u>	<u>Availability</u>	<u>College Credit</u>
9 th Grade - English I	Yearly	
10 th Grade - English II	Yearly	
11 th Grade - English III	Yearly	
11 th Grade - AP Literature	Offered When Possible	Possible
12 th Grade - English IV	Yearly	
12 th Grade - College English	Yearly	Possible
<u>Math</u>	<u>Availability</u>	<u>College Credit</u>
9 th Grade - Algebra I	Yearly	
10 th Grade - Geometry	Yearly	
11 th Grade - Algebra II	Yearly	Possible
11 th Grade - Pre-Calculus	Offered When Possible	Possible
12 th Grade - AP Calculus	Offered when Possible	Possible
12 th Grade - Financial Algebra	Yearly	
<u>Social Science</u>	<u>Availability</u>	<u>College Credit</u>
9 th Grade - Global Studies	Yearly	
10 th Grade - AP European History	Offered When Possible	Possible
11 th Grade - US History	Yearly	
11 th Grade - Accelerated US History	Offered when Possible	
11 th Grade - AP US History	Offered When Possible	Possible
12 th Grade - Government	Yearly	
12 th Grade - Economics	Yearly	
<u>Science</u>	<u>Availability</u>	<u>College Credit</u>
9 th Grade - Integrated Science	Yearly	
10 th Grade - Biology	Yearly	
11 th Grade - Chemistry	Yearly	
10 th - 12 th Grade - Anatomy & Physiology	Offered When Possible	
11 th /12 th Grade - Medical Skills	Offered When Possible	
11 th /12 th Grade - Medical Terminology	Offered When Possible	
11 th /12 th Grade - Environmental Science	Offered When Possible	
12 th Grade - AP Physics	Offered When Possible	Possible
<u>Health Education</u>	<u>Availability</u>	<u>College Credit</u>
9 th Grade - Health I	Yearly	
10 th Grade - Health II	Yearly	
<u>Physical Education</u>	<u>Availability</u>	<u>College Credit</u>
9 th Grade - PE I	Yearly	
10 th Grade - PE II	Yearly	
11 th Grade - Advanced PE	Yearly	Possible

COURSE DESCRIPTIONS

AGRICULTURE

Introduction to Agricultural Sciences

1 credit

Prerequisite: None

Elective: Grades 9-12

This course will introduce students to the vast world of Agriculture, and the pathways students may pursue. Woven throughout the course are activities to develop and improve employability skills through practical application. Students will explore career and postsecondary opportunities and will experience hands-on activities, projects and problem solve scenarios. This course offers all students a variety of experiences that will provide an overview of the fields of agriculture science and natural resources, serving as a foundation for students to continue through the Agriculture Science program of study through high school. In addition, students will understand specific connections between their lessons and Supervised Agriculture Experience and FFA components that are important for the development of and growth of students.

Occupational Survey 1, 2, and 3

1 credit (each)

Prerequisite: None

Elective: Grades 9-12

These courses will cover at least three areas in agricultural science and industrial arts, including but not limited to: drafting, woodworking, agriculture, and/or mechanics. The students will be exposed to a wide variety of activities in the five major areas and will gain knowledge and skills to be able to continue in the upper division courses. \$15 fee per semester.

Animal Science

1 credit

Prerequisite: Introduction to Agriculture Sciences

Elective/Science: Grades 10-12

This course is structured to teach concepts and skills related to the livestock industry including but not limited to: Anatomy, Nutrition, Health, Reproduction, Genetics, Behavior, and Management. The following industries will be covered in depth: Swine, Dairy, Beef, Equine, sheep/goat, Poultry. Students will complete hands-on projects and activities to explore the skills of animal science. They will work on major projects and solve problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. In addition, students will understand specific connections between the Animal Science lessons, Supervised Agricultural Experience, and FFA components that are important for work in the agricultural field. Lastly, students will document projects, solve problems, and communicate their findings to their peers and members of the professional community.

Advanced Animal Science

1 credit

Prerequisite: Into to Ag and Animal Science

Elective: Grades 11-12

This course is an extension of Animal Science and takes students to the next level in knowledge of livestock animals and basic veterinary science. This course develops advanced knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction, medical procedure, disease, parasitology, office management, and basic examine techniques for large and small animals, genetics, health management, and marketing of one or more species of livestock animals. This class includes the importance and place of livestock in agriculture types, history, market classes, and grades of beef, sheep, and swine, origin and characteristics of breeds, and the care of livestock animals.

Plant Science

1 credit

Prerequisite: Introduction to Agriculture Sciences

Elective/Science: Grades 10-12

This is an entry level course in the scientific study of Horticulture. Students will learn plant classification; growth requirements; pesticide use; germination requirements; propagation; floral design, preparing plants for market, and careers in related fields. Students will also learn marketing skills and have valuable hands-on learning experiences. In addition, students will understand the specific connections between the horticulture lessons, Supervised Agriculture Experience and FFA components that are important for work in the Agriculture industry. The greenhouse is utilized for this class, and there will be a student-run plant sale at the end of the school year.

Advance Plant Science

1 credit

Prerequisite: Introduction to Agriculture and Plant Science

Elective: Grades 11-12

This course is an extension of Plant Science and takes students to the next level in knowledge of Horticulture, Floral Design, Landscape, Soil Science, Crop Science and Forestry. This course develops advance knowledge and skills pertaining to crop/plant/forestry identification, selection, nutrition, fertilizers, ecosystems, forest management, Floral design, Greenhouse management and landscaping practices.

Woods I

(May be Offered 2019-2020)

1 credit

Prerequisite: Occupational Survey I

Elective: Grades 10-11

Students will use reading and math skills to work from basic project plans working toward assembly of projects. Other skills incorporated into the class are power tools safety, choosing appropriate projects, and completing projects using the planning stage, cost estimation, and procedure for new projects. The student will complete projects based on the specifications researched by the student and monitored by the instructor.

Metals I

(May be Offered 2019-2020)

1 credit

Prerequisite: Occupational Survey I

Elective: Grades 10-11

Students will study metals in several industrial job fields. In welding, students will learn to gas weld and arc weld in the basic positions, cut with a cutting torch, braze welding, MIG welding, TIG welding, out-of-position weld in Mig and Arc. Students work at their own pace and have the opportunity to take home completed projects.

APPLIED/FINE ARTS

Art 2D: Drawing/Painting

(May be Offered 2019-202)

.5 credit (each)

Prerequisite: None

Elective: Grades 9-12

This two-part class* emphasizes visual perception and expressive skills. Students will work from observation and imagination. Subject matter will include still life, portraiture, art history, landscape, color, abstraction, and narration. Students will begin to understand their personal motivations, ideas and art making processes, as well as their classmates. Traditional materials (pencil, charcoal, oil pastels, acrylic paint...) will be used. Fall semester will emphasize drawing and spring semester will emphasize painting.

Publishing

Prerequisite: Pass English 1 with a "C" or higher

1 credit

Elective: Grades 10-12

With teacher and main office oversight, this course is designed to help students learn various aspects of public communication. Students will be responsible for updating and maintaining the video board throughout the school year. Students will be responsible for communicating all Student/Club Info, Sports Updates, Academic Materials, Virtue First Information, Lunch/Breakfast Menu as well as any other pertinent information. Students will use Microsoft Office and Adobe Creative Cloud Products to create various flyers, resources, programs, graphics etc. to be used throughout the school. Additionally, students within the class will work to create, and write school or district newsletters. Any and all news letters will be published online, bi-weekly to monthly with student created articles, features, and pictures intended to highlight feats, accomplishments and awards from around the school district. This class has the responsibility of producing the yearbook for the present school year. Students are expected to be self-motivated and committed to quality work. Meeting deadlines and working within certain guidelines is a high priority. Computer-generated layouts using Josten's Online Page Designer and business skills are included. Students in this class must work cooperatively and uphold high standards for their work. Since this class involves the production of the JFK yearbook, students must understand their commitment is for the entire year.

Honors Option

Prerequisite: B or higher in Annual and on track to graduate

1 credit (Honors)

Elective: Grades: 11-12

This course is for the student who desires to take on more responsibility and a leadership role through mentoring first year students within Annual. Honors Annual students assist with design, fundraising, advertising, editing, incorporating business objectives, and managing an overall professional appearance for the finished product is the honor student's responsibility. They will be the key decision makers and editors for the yearbook. This is a year-long class. This course qualifies for Honors Diploma credit.

Concert Band

Prerequisite: Instructor Approval

1 credit

Elective: Grades 9-12.

This course is for students who play a musical instrument and have prior musical knowledge (rhythm, note reading, etc.). We will perform pep, drumline, jazz, and concert band music while focusing on instrumental technique, sight reading, music theory, and music history. Students who also participate in sports should not be discouraged from taking this class; we can work around your sports schedules. However, all concerts and competitions are required. Students must pay the \$15 fee to cover their shirt, music, and festival transportation and supply their own instrument or pay the \$50 instrument rental fee.

Choir

Prerequisite: None

.5 credit/Semester

Elective: Grades 9-12

This course is for students interested in vocal performance focusing on a variety of cultures, time periods, and styles. The curriculum focuses on the basics of vocal technique including reading notes and rhythms, sight reading, developing pitch, and music history. Choir students are expected to perform two evening concerts during the year as part of their grade. No singing or musical experience is required but is very helpful.

BUSINESS AND FINANCE

Office Procedures Comprehensive (OPC)

.5 credit

Prerequisite: None

Elective: 9-10

Office Procedures Comprehension is a course in which students develop skills in computer operation and basic knowledge of computer terminology. Students will also develop a basic level of mastery in using business application software and will develop skills to meet the new Oregon Technology Standards. Further, students will learn how to find information on the internet and construct a web page. Areas of study include the following: Introduction to Computer Programing and Coding, Website Design, The Internet, Google Apps for Education, Microsoft Office Suite. Students have the opportunity to earn college credit.

Accounting 1

1 credit

Prerequisites: None

Elective: Grades 9-12

This course will cover current procedures being used in the business world. It will begin with basic bookkeeping and evolve into a systems approach to accounting in small and large businesses. The students will demonstrate knowledge of accounting procedures in the transactions of a small business. Students will use Glencoe's Online Accounting Software. This is a yearlong class. Students can continue to take the Accounting classes in succession each year. There is a possibility for College Credit with the completion of Accounting 2. Accounting 2 and 3 students will also assist in running/managing the student store throughout the year. Completion of both Accounting 2 and Accounting 3 count toward Honors Credit.

Accounting 2

1 credit

Prerequisites: Pass Accounting 1

Elective: Grades 10-12

This course will cover current procedures being used in the business world. It will begin with basic bookkeeping and evolve into a systems approach to accounting in small and large businesses. The students will demonstrate knowledge of accounting procedures in the transactions of a small business. Students will use Glencoe's Online Accounting Software. This is a yearlong class. Students can continue to take the Accounting classes in succession each year. There is a possibility for College Credit through CCN with the completion of this course and Accounting 3. Accounting 2 and 3 students will also assist in running/managing the student store throughout the year. Completion of both Accounting 2 and Accounting 3 count toward Honors Credit. Students have the opportunity to earn college credit.

Accounting 3

1 credit (Honors)

Prerequisites: Instructor Approval

Elective: Grades 11-12

This course will cover current procedures being used in the business world. It will begin with basic bookkeeping and evolve into a systems approach to accounting in small and large businesses. The students will demonstrate knowledge of accounting procedures in the transactions of a small business. Students will use Glencoe's Online Accounting Software. This is a yearlong class. Students can continue to take the Accounting classes in succession each year. There is a possibility for College Credit with the completion of this course and Accounting 2. Accounting 2 and 3 students will also assist in running/managing the student store throughout the year. Completion of both Accounting 2 and Accounting 3 count toward Honors Credit. Students have the opportunity to earn college credit.

Business Essentials

.5 credit

Prerequisite: None

Elective: Grades 9-12

This course will acquaint students with the major focuses of the business world. It will provide information about effective business management, wise consumer decisions and career exploration. The students will gain a basic understanding of marketing, finance, management, and entrepreneurial aspects of business. They will also get a broad exposure to business operations and a solid background for additional business courses. Students have the opportunity to earn college credit.

Business Law

.5 credit

Prerequisite: None

Elective: Grades 9-12

This course is designed to introduce the student to the study of law through a brief look at how law developed, the legal system in the United States, the functions of the federal and state court systems, and civil and criminal law. Additional topics include computer law, financial crimes, legal careers, international law, discrimination, contracts and business organization. This course will help students become aware of their rights and responsibilities under the laws so they can function as responsible citizens in their personal and professional lives.

AP Computer Science Principles

1 credit (Honors)

Prerequisite: Instructor Approval

Elective: Grade 10-12

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, Computer Science Principles prepares students for college and career. As part of the Advanced Placement program, the course prepares students for the Computer Science Principles exam. All students are expected to take the exam. Students must have completed Algebra, Office Procedures Comprehension (formerly known as Computer Applications) with an A or B average to be eligible for this course. This course qualifies for Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

Sports and Entertainment Marketing

.5 credit

Prerequisite: None

Elective: Grades 9-12

This is an introductory course that will help students gain an understanding of marketing concepts as they apply to the sports and entertainment industry. This course focuses on finance, marketing, and management functions/tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment used for recreational or sporting purposes, products and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make productive or enjoyable use of leisure time

ENGLISH

English I

1 credit

Prerequisite: None

Required: Grade 9

English I introduces students to the major forms of literature (short story, novel, poetry, drama, and nonfiction) with an emphasis upon reading and interpretation skills. A special emphasis is placed upon writing in all forms. English grammar, word usage, punctuation, and vocabulary skills are reviewed. Elements of public speaking and drama are also included in this course.

English II

1 credit

Prerequisite: Completion of English I

Required: Grade 10

In this class, students will focus more on writing skills needed to meet Essential Skills testing during 11th grade. A heavy focus is placed on syntax (sentence construction) and grammar (parts of speech). This class will also explore various text structures, with a focus on expository and argumentative writing. Students will also be given practice to deepen their understanding of the writing process, breaking the work down into small, manageable chunks and tackling them one at a time. Active reading strategies and critical thinking skills will also be taught as we read and analyze the major forms of literature. Public speaking will be the third element of this class. We will explore and practice effective speaking and listening skills.

English III

1 credit

Prerequisite: Completion of English II

Required: Grade 11

English III is designed to strengthen general communication skills and critical thinking and to increase student knowledge of American literature. Students will work to improve their writing in all forms and strengthen their reading and vocabulary. Students are expected to read various full-length works from college-recommended or award-winning lists, and to make significant progress on SAT vocabulary accumulation.

AP English Literature

(Not Available 2019-2020)

1 credit (Honors)

Prerequisite: Instructor Approval

Elective: Grade 11/12

Advanced Placement English Language and Literature is a college-level course designed to challenge students to read, think, discuss and write about significant works of literature. As such, the reading and writing load is heavy; students should expect an hour of homework nightly. This course is open to eligible junior and senior students, and may be taken in lieu of the regular English III or English IV course. This course qualifies as Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

English IV

1 credit

Prerequisite: Completion of English III

Required: Grade 12

In this class, students will focus on critical reading strategies and argumentative writing. Active reading strategies and critical thinking skills will be emphasized as students read and analyze more complex texts. Students will be afforded practice to deepen their application of the writing process, breaking the work down into small, manageable chunks and tackling them one at a time. Students will use discussion and writing to analyze common themes running through several texts, both informational and fictional. Public speaking will be the third element of this class. We will explore and practice effective speaking and listening skills.

College English

1 credit (Honors)

Prerequisite: Instructor Approval

Required/Elective: Grade 12

This class is the senior alternative to English IV, but only available to those students who qualify. The course emphasizes college-level writing and research skills (approximately ten formal essays will be written over the course of the year). Other skills taught include effective use of the writing process, logical organization, rhetoric, argumentation, and advanced vocabulary development. This course qualifies for Honors Diploma credit. Students may earn eight (8) college credits upon successful completion of this class. It is the equivalent to Writing 121 and Writing 122 taught at the college level.

FOREIGN LANGUAGE

Spanish I

1 credit

Prerequisite: C or higher in Spanish I

Elective: Grades 9-12

This is an entry level Spanish course for non-native or non-heritage Spanish speakers. The four language skills to be addressed are: listening, speaking, reading and writing. Students will be introduced to the basic and fundamental components of the Spanish language to prepare them for the next level. They will reflect on their own language and will identify the connections that facilitate the acquisition of the Spanish language. Also, they will be exposed to the history, geography, people and culture of several Spanish speaking countries.

Spanish II

1 credit

Prerequisite: C or higher in Spanish I

Elective: Grades 10-12

This course is a continuation of Spanish I, with a more extensive and intensive study and practice of the different linguistic concepts. Students will exercise more of their communication skills in an oral and written format. They will expand their vocabulary and their understanding of the structure and grammar of the language. Also, they will develop a more analytical attitude towards the history, geography, people and culture of several Spanish speaking countries.

Pre-AP Spanish

1 credit

Prerequisite: Instructor Approval

Elective: Grades 11-12

This course, conducted completely in Spanish, is an advanced placement and a preparation for students who are planning to take AP Spanish Language and Culture class and for those who want to get a deeper level of understanding and use of the Spanish language and to intensively exercise their language skills. Students listen to, read, summarize, analyze and discuss authentic selections, discuss current events and cultural topics. Students who choose to enroll through Willamette Promise may be eligible to receive college credits. Fee required for college credit.

AP Spanish (Language and Culture)

1 credit (Honors)

Prerequisite: Instructor Approval

Elective: Grades 11-12

This course is taught exclusively in Spanish and is a dual credit class. This course is designed to prepare students who are planning to take the AP Spanish Language test or want to improve their communication proficiency in a more challenging way. This class exposes students to authentic linguistic productions and materials. Students will be able to study the following themes: family and communities, science and technology, beauty and esthetics, contemporary life, personal and public identities, and global challenges. Students have the opportunity to earn college credit through a passing score on the AP exam.

HEALTH EDUCATION & PHYSICAL EDUCATION

Health I

.5 credit

Prerequisite: None

Required: Grade 9

This course is the first course of the Health curriculum needed for graduation. It covers the following health issues: physical health (nutrition and physical fitness), mental health (self-esteem, stress, mental disorders, and suicide prevention), and social health (healthy peer relationships, tobacco, drug, and alcohol abuse). Combined with PE, this is a year-long course.

Health II

.5 credit

Prerequisite: Health I

Required: Grade 10

Health II is a continuation of the Health curriculum required for graduation. The topics covered are: (1) Disease prevention: sexually transmitted infections and lifestyle diseases. The district's adopted AIDS curriculum will be used. (2) The Life Cycle: dating and marriage, family life, conception, birth and parenting, and aging. (3) First Aid and Safety. (4) Community and environmental issues. Combined with PE, this is a year-long course.

Physical Education

.5 credit

Prerequisite: None

Required: Grades 9-10

One (1) credit of Physical Education is required to graduate and must be completed by the end of the student's sophomore year. This course will allow students to participate in individual and team activities with a focus on lifetime fitness. Also, students shall not be allowed to take more than one Physical Education class without instructor and counselor approval. This course is combined with Health I/Health II. A student may take PE for elective credit once the graduation requirement has been met. Taken concurrently with Health I or Health II.

Advanced Physical Education

.5 credit

Prerequisite: Instructor Approval

Elective: Grades 11-12

This course is an elective class that can only be taken after you have completed Physical Education or if you are a student athlete. This course will allow the upper level PE students to compete in individual and team games at a high level; a moderate amount of weight lifting is required. Also, students shall not be allowed to take more than one (1) Physical Education class in the same semester without instructor and counselor approval. This course is eligible for college credit through College Credit Now.

Olympic Lifting/Speed Enhancement

.5/1 credit

Prerequisite: Instructor Approval

Elective: Grades 10-12

This course is an elective class that can only be taken after you complete PE 1 or if you are a student athlete. This course will help students become bigger, stronger and faster through specific weight training and speed/agility activities. Also, students shall not be allowed to take more than one (1) Physical Education class in the same semester without instructor and counselor approval.

Life Fitness

.5/1 credit

Prerequisite: None

Elective: Grades 9-12

This course is an elective class that can only be taken after you complete Physical Education. This course is designed to create life-long practices that a person can continue post high school. Also, students shall not be allowed to take more than one (1) Physical Education class in the same semester without instructor and counselor approval.

Mathematics

Algebra I

1 credit

Prerequisite: None

Required: Grades 9-12

The content of the course covers linear equations, linear systems, linear inequalities, and quadratic equations in verbal, numerical, graphical, and symbolic forms. Students will also simplify expressions with negative exponents, use scientific notation and apply dimensional analysis.

Geometry

1 credit

Prerequisite: Algebra I

Required: Grades 9-12

Students will apply methods of direct and indirect measurements using geometric properties and algebraic processes. These properties and processes will be validated through various methods of mathematical reasoning and rigorous proof.

Algebra II

1 credit

Prerequisite: Geometry

Required: Grades 10-12

Students will extend their algebraic skills in simplifying expressions and solving equations. They will use data, graphs, symbols and words to represent polynomial, exponential, logarithmic, and rational functions; and apply those functions in solving real-world problems.

Financial Algebra

1 credit

Prerequisite: Geometry

Required: Grades 12

Students will extend their algebraic skills and learn to apply them to real world situations. This course focus on the math in; Banking, Taxes, Loans, Home Ownership, and Cars. We will also work on essential skills work samples.

Pre-Calculus

1 credits (Honors)

Prerequisite: Instructor Approval

Elective: Grades 11-12

Students study functions and related inequalities using a graphing calculator. Content focuses on polynomial, rational, exponential, logarithmic, and related piecewise defined functions. The course includes a study of the complex number system, the algebra of functions and the application of functions in sequences and series. High-order linear systems will be solved using a calculator. Students who choose to enroll through Willamette Promise may pay the fee and receive college math credits for Math 111.

AP Calculus

1 credit (Honors)

Prerequisite: Pre-Calculus & Instructor Approval

Elective: Grade12

This course is the study of differential and integral calculus. Topics covered will include limits, tangent lines, the definition of a derivative, derivative rules, area under a curve using summations and integrals, volume of solids, arc length of a curve, and applications of differential and integral calculus. This course will foster an understanding of topics and applications of differentiation and integration for functions of one variable. This course qualifies for Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

Science

Integrated Science (POE)

1 credit

Prerequisite: None

Required: Grade 9

This course is designed to provide students the opportunity to focus on specific physical and biological scientific theories and principles. Students will utilize technology, laboratory experiences, and problem-solving opportunities to enhance science understanding and application of scientific reasoning. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution

of engineering design problems. They also develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges.

Honors Option

1 credit (Honors)

To increase access to honors science credit to all students, any student enrolled in Integrated Science or Biology may complete the following requirements to earn an honors science credit. Students will pass 100% of assessments with a 3 or higher (proficient or better). Students will earn a 4 on 50% of all assessments. Students will complete an extracurricular project related to one of the standards for that semester. Project must be teacher approved before the student begins. Project must be completed and presented at the winter (mid December for 1st semester) and spring (May for 2nd semester) band concert/art show.

Biology

1 credit

Prerequisite: Integrated Science

Required: Grade 10

Biology covers material derived primarily from Next Generation Science Standards. Topics to be covered include cell structures, processes and functions, how living systems work together, ecosystems and genetics. Students will develop practical scientific literacy, critical thinking skills, and lab skills that will allow them to continue with science education beyond high school and make informed decisions throughout their lives.

Honors Option

1 credit (Honors)

To increase access to honors science credit to all students, any student enrolled in Integrated Science or Biology may complete the following requirements to earn an honors science credit. Students will pass 100% of assessments with a 3 or higher (proficient or better). Students will earn a 4 on 50% of all assessments. Students will complete an extracurricular project related to one of the standards for that semester. Project must be teacher approved before the student begins. Project must be completed and presented at the winter (mid December for 1st semester) and spring (May for 2nd semester) band concert/art show.

Environmental Science

1 credit

Prerequisite: Biology

Elective: Grade 11-12

This course is based on the Next Generation Science Standards for life science, earth and space science, and physical science. Students research various and current environmental issues facing nations and ecosystems such as overpopulation, pollution, renewable and non-renewable natural resources, climate change, species extinction, ecosystem recovery and maintenance, and sustainable development. Students will engage in debates about these topics and design solutions, citing evidence from their research and forming informed arguments and opinions. Students will practice critical reading skills, speaking and listening skills, critical thinking and reflection skills, and they will learn how to respectfully debate a current political and ecological issue. This is a course in our Public Service CTE program and is recommended for, but is not limited to, students who are interested in politics, environmental issues, forestry, or field biology.

Life Science

1 credit

Prerequisite: Placement

Required: Grades 9-12

This course is based on the Next Generation Science Standards, Oregon Health Standards, Agriculture Standards, and National Consortium of Health Science Educators standards. This course is a practical life science course. It will cover skills and knowledge that will be used throughout the students' lives. Topics include food (food science, the science of cooking, food safety and handling), Agriculture (how plants grow, practical and theoretical knowledge of plants, gardening and farming), Medical Skills (bacteria, viruses, infection control, and basic first aid care), Environmental health (pollution, recycling,

and earth sciences), Animal Care (pet care, care of farm and large breed animals, and basic animal anatomy), and Anatomy (body systems, sex education, dental/oral health, and hygiene). Offered every other year.

HOSA: Medical Skills

1 credit

Prerequisite: Biology

Elective: Grade 11-12

This course is based on the National Consortium of Health Science Educators standards. Students will learn skills that are commonly used in the medical field. Emphasis is put on common health care professional practices as they relate to the medical field and emergency services. Guest speakers including those that work in the medical field and emergency services will help students see the reality of medical practice. This class will include job applicable skills such as taking vital signs, proper cleaning and washing technique, critical thinking, emergency first aid skills, teamwork, and problem solving. Recommended for, but not limited to, students interested in health or biology related professions. Students will have the opportunity to become CPR/First Aid certified if they are present at all the CPR/First Aid lessons and pass the exam.

Medical Terminology

1 credit

Prerequisite: Anatomy and Physiology

Elective: Grades 11-12

Students will learn how to speak the language of health care. They will learn prefixes, suffixes, and root words that are used in medicine. Students will not only learn to interpret unknown medical words using word parts, but they will also learn to build new medical words or descriptors using word parts. Students will also learn how to interpret medical graphs and charts, as well as terms for various treatments and common conditions. This course is recommended for students who are interested in any health care related profession.

Anatomy and Physiology

1 credit (Honors)

Prerequisite: Biology

Elective: Grades 10-12

Students will learn structures and functions of the human body systems. Emphasis will be placed on the system-like nature of the human body and how all the parts, from the smallest cells, to the largest organs, work together to keep a human being alive. Students will also look at how those systems can become imbalanced through diseases. Guest speakers, such as those that work in the medical field, including emergency services and patients that have had experience with particular diseases, will help students see the many facets of the reality of the human body. This class will include job applicable skills such as critical thinking, teamwork, problem solving, and lab skills including dissections. Recommended for, but not limited to, students interested in health, emergency services or biology related professions.

Chemistry

1 credit (Honors)

Prerequisite: Accelerated Biology and Algebra II

Elective: Grades 11-12

Chemistry is an introduction to the study of the properties and changes in matter. We will be studying the structure of atoms and molecules, trends in the periodic table, how to identify chemicals and balance reactions as well as a survey of chemistry topics. Laboratory exposure is a crucial part of the high school chemistry class and emphasis will be placed on scientific inquiry. Any students interested in pursuing science or engineering in college, should take this course. This course qualifies for Honors Diploma credit.

AP Physics

1 credit (Honors)

Prerequisite: Algebra 2

Elective: Grade 11-12

AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. The course provides students with an introductory experience in the concepts and methods of physical analysis, focused on classical mechanics and simple electrical circuits. Building the ability to reason qualitatively and quantitatively is a primary focus, with inquiry and investigation, modeling and diagramming, symbolic algebra, unit analysis, communication and argumentation, laboratory techniques, data analysis, and integration and application of concepts as emphasized skills. This course qualifies for Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

Physical Science

1 Credit

Prerequisite: Placement

Required: Grades 9-12

This course is a practical physical science course. It will cover skills and knowledge that will be used throughout the students' lives. Topics include chemistry (elements, atoms, molecules, chemical reactions, movement of molecules, transfer of energy, heat, insulation), physics (motion and forces as they relate to everyday phenomena and objects), Earth and space science (weather, natural disasters). These topics would be taught through integrated units based on topics the students will see throughout their lives including construction on housing, driving/cars, appropriate materials for building structures, mixing household chemicals and cooking.

Social Science

Global Studies

1 credit

Prerequisite: None

Required: Grade 9

The purpose of this course is to provide the student with a solid, broad-based foundation in the social sciences. Areas of study include geography, history, government, and economics. This course will emphasize the cultural diversity of the world, while students develop and improve their skills in reading, writing, speaking, and analyzing. There are major units of study on world cultural geography, but most of the course emphasis is on world history.

US History

1 credit

Prerequisite: None

Required: Grade 11

This course presents a chronological study of the history of the United States from the time of European discovery and colonization to the present with major emphasis on the twentieth century. Students will analyze and evaluate historical events and their impact on the people of the United States and the world. Students will also produce various projects throughout the two (2) semesters to enforce a deeper understanding of the content.

AP US History

1 credit (Honors)

Prerequisite: A or B in Global Studies

Required/Elective: Grade 11

This course presents a chronological study of the history of the United States from the American Revolution to the present day with major emphasis on the 20th century. Students will analyze and evaluate historical events and their impact on the people of the United States and the world. Students will be challenged to work independently and produce two (2) final projects for each semester. Students will be pushed to work in groups, debate topics, research information, and be expected to autonomously work through problems. Students must have completed Global Studies with an A or B average to be

eligible for this course. This course qualifies for Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

AP European History

1 credit (Honors)

Prerequisite: A or B in Global Studies

Required/Elective: Grade 10

This class introduces students to the political, economic, religious, social, intellectual, and artistic trends that shaped Europe from 1450 to the present. Students should acquire knowledge of the basic chronology of events and movements from this period as well as develop the ability to analyze historical documents and express historical understanding in writing. As part of the Advanced Placement program, the course prepares students for the AP European History exam. All students are expected to take the exam. Students must have completed Global Studies with an A or B average to be eligible for this course. This course qualifies for Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

Government

.5 credit

Prerequisite: None

Required: Grade 12

This course focuses on the basic principles, functions and structures of American government. National, state and local governments are most likely to be best served when people know and understand the governmental system. The basic objective is to describe, analyze and explain the American government.

Economics

.5 credit

Prerequisite: None

Required: Grade 12

The Economics course focuses on economic reasoning guided by a set of principles derived from basic assumptions about human behavior. It invites students to apply these principles in analyzing an array of economic concepts. The emphasis on principled reasoning and intriguing points of application enables students to experience the study of economics as a source of insight into a surprisingly wide range of problems and issues at the personal national and world level. The course also includes a major unit on personal finance skills.

Psychology

.5 credit

Prerequisite: None

Elective: Grades 9-12

This course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. The students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AP Psychology

1 credit (Honors)

Prerequisite: Instructor approval

Elective: Grades 10-12

This course will take an in depth look at the systematic and scientific study of the behavior and mental processes of human beings and other animals. The students will thoroughly study psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course qualifies for Honors Diploma credit. Students have the opportunity to earn college credit through a passing score on the AP exam.

Sociology

.5 credit (Honors)

Prerequisite: None

Elective: Grades 11-12

Sociology is the study of human society and group behavior. Emphasis will be on such social subgroups as family, education and sport. Students will research social issues such as race, poverty and criminal behavior. This class revolves around discussion and participation. Students who wish to earn Honors Diploma credit for Sociology must complete all course requirements with at least an 80% average. The student will also write an 8-10-page research paper in APA format. The student must declare by the end of the ninth week of class their intention to apply for Honors Diploma credit.

History through Film 1 and 2

.5/1 credit

Prerequisite: None

Elective: Grades 11-12

In History through Film, students will discover historical events by watching movies that depict the event. Students will have the opportunity to look at specific historical eras, watch a movie, and learn the actual historical story behind the events. The course will be encouraging students to use analytical skills looking for historical truths. In addition to watching movies, there would be ample opportunity for students to work on their writing skills as they analyze, compare, contrast, and summarize historical eras. During the first semester, this class focuses on World History. The second semester focuses on US history.

Multi-Cultural Social History

.5 credit

Prerequisite: Global Studies

Elective: Grades 10-12

The class is designed to look at history from multiple lenses. Sections would be devoted to Women, Latino, African American, LGBTQ, Asian, Native American, etc.

Miscellaneous Electives

AVID (Advancement via Individual Determination)

1 credit

Prerequisite: Application Process

Elective: Grades 9-12

In AVID students learn skills and behaviors that focus on academic success, are provided intensive support with tutorials and strong student/teacher relationships, collaborate with positive peer groups, and develop a sense of hope for personal achievement gained through hard work and determination.

Introduction to Wildland Firefighting (College Credit)

1 credit

Prerequisite: None

Elective: Grades 10-12

Studies causes, standard firefighting orders, urban interface problems, fire suppression methods, fire ground management, and structure triage. This course is designed to meet some of the competencies as set forth by DPSST for Wildland Interface Engine Boss. Three (3) college credits through College Credit Now (FRP 179 Wildland Urban Interface). Fee required for college credit.

Cooperative Work Experience (Program Based)

.5/1 credit

Prerequisites: Instructor Approval

Elective: Grade 12

2 courses within a program of study, 2.0 GPA, 92% attendance in previous semester, application and interview All JFK seniors who meet the prerequisites are encouraged to take part in a semester-long cooperative work experience with one of our many partners. These community partners will provide direct supervision for students looking to gain experience and skills in career field connected to a JFK CTE program of study, which tracks toward a high-wage career. Students will work independently with their site supervisor, overseen by their CTE program teacher, gaining knowledge and skills

connected to local industry. Students are assessed on their industry skills acquisition and professionalism, including but not limited to attendance, communication, and problem solving.

Elementary/Middle School Aide

.5/1 credit

Prerequisite: Instructor Approval

Elective: Grades 11-12

A staff member at another school site must formally request a student as an aid or tutor. Students may request either an elementary or middle school placement. Students may also request a tutor, classroom aide or a combination of tutor/classroom aide position. While every effort is made to accommodate the student's request, there is no guarantee, as placement is based on staff need. All placements require teacher, counselor and administrative approval. HS students may have no more than one TA/ Semester and serve as an aid for no more than two semesters.

Sport Officiating Certification

.5 credit

Prerequisite: Instructor Approval

Elective: Grades 11-12

This course is an elective course that focuses on the professional philosophy and professional requirements for officiating athletic contests. This course will cover officiating volleyball, football, wrestling, basketball, soccer, baseball, softball, and track and field. Upon completion of the course students will be afforded the option of taking certification exams for any of the sport components and becoming either a restricted certified official or non-restricted certified official with the Oregon High School Activities Association (OSAA). The teacher of this course must hold current registration as an OSAA official (any sport).

Teacher/Office Assistant (TA)

.5/1 credit

Prerequisites: Instructor Approval

Elective: Grades 11-12

Duties are assigned by the supervisor (Teacher or Office Staff) and frequently include photocopying and collation of class materials. Other duties may vary from one supervisor to another. While every effort is made to accommodate the student's request, there is no guarantee, as placement is based on staff need. All placements require teacher/office staff, counselor and administrative approval. Students may have no more than one TA per semester.

Technology Assistant

.5/1 credit

Prerequisite: Instructor Approval

Elective: Grades 11-12

Computer Systems Support (Tech Support) students will learn to keep the computer related technology in our school/district running at maximum efficiency, including hardware, software, and network maintenance. They will assist students and staff with their technology related needs. Placement is based on staff recommendation. Students will log projects and complete reflections as required. Pre-approval is required. All placements require teacher, counselor and administrative approval. Students may have no more than one TA per semester.

Literacy Essential Skills Workshop

.5/1 credit

Prerequisite: Student has not met Essential Skills in Reading and/or Writing

Elective: Grade 12

Students who have not met their essential skills in reading and or writing will have the opportunity to increase their Reading and Writing Essential Skills in this workshop type setting. There is focused instruction and practice for reading and writing skills that will cover a variety of texts and subjects, as well as infusing tips for test taking and everyday writing. Students will have the opportunity to meet during this course to meet essential skills in both Reading and Writing.

Math Essential Skills Workshop

.5/1 credit

Prerequisite: Student has not met Essential Skills in Math

Elective: Grade 12

Students who have not met their essential skills in Mathematics will have the opportunity to increase their mathematics Essential Skills in this workshop type setting. There is focused instruction and practice for reading and writing skills that will cover a variety of texts and subjects, as well as infusing tips for test taking and everyday writing. Students will have the opportunity during this course to meet essential skills in both Reading and Writing.