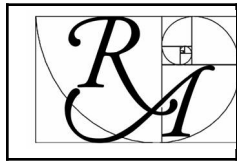


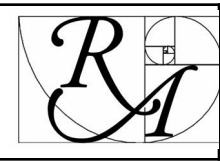
COURSE CATALOG

2023-2024

THE DISTRICT IS COMMITTED TO EQUAL OPPORTUNITY AND NONDISCRIMINATION IN ALL ITS EDUCATIONAL AND EMPLOYMENT ACTIVITIES. THE DISTRICT PROHIBITS DISCRIMINATION BASED ON PERCEIVED OR ACTUAL RACE; NATIONAL OR ETHNIC ORIGIN; COLOR; SEX; RELIGION; AGE; SEXUAL ORIENTATION; GENDER EXPRESSION OR IDENTITY; PREGNANCY; MARITAL STATUS; VETERAN'S STATUS; FAMILIAL STATUS; ECONOMIC STATUS OR SOURCE OF INCOME; MENTAL OR PHYSICAL DISABILITY OR PERCEIVED DISABILITY; OR MILITARY SERVICE.



CONNECT... CREATE... CHANGE...



Crater's Renaissance Academy of Arts & Sciences will provide a rigorous education with high expectations for **all** students. We will focus on the humanities, inquiry-based science, and international studies. Students will leave the Renaissance Academy well prepared for a four-year university or community college.

Core Values:

...based on the Coalition of Essential Schools Ten Common Principles:

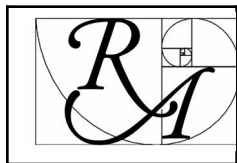
- 1) Learning to use one's mind well, to think, to problem-solve
- 2) Less is More; it's all about depth and mastery rather than coverage of material
- 3) Goals apply to **all** students
- 4) Personalization – teachers respond best to students they know well
- 5) Student-as-worker, teacher-as-coach – students learn how to learn
- 6) Demonstration of mastery – real life ways to show what students know and are able to do
- 7) A tone of decency, kindness, high expectations and trust
- 8) Commitment to the entire school – teachers are generalists first – specialists second
- 9) Resources dedicated to teaching and learning
- 10) Democracy and a commitment to equity – we will explicitly challenge all forms of inequity

Renaissance Academy experiences:

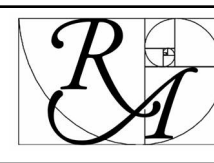
- Global perspective – world and domestic travel tied to learning / foreign language and culture as part of the experience
- Exhibition and performance work throughout the four years (including media, design, communications, drama, music, sports, dance, etc.)
- Connections between subjects (arts / English / social studies / math / science)
- Students demonstrate skills to meet high standards
- Self-discovery: art, design, communications, music, theater, sports and movement
- Students are active partners in their individual goals for learning
- Social responsibility / Leadership / Connections to the community
- Practical applications – Using the design process to turn abstract ideas into formal designs for real things – brochures, web sites, publications, living and working space, etc.
- The infusion of technology as a tool in all courses, with a wide variety of software applications.

Oregon Essential Skills (suspended until 2024-2025 school year)

- Read and interpret a variety of texts
- Write for a variety of purposes
- Speak and present publicly
- Apply mathematics in a variety of settings
- Use technology
- Think critically and analytically (e.g. scientific inquiry, problem-solving, creative and innovative thinking)
- Demonstrate civic and community engagement
- Demonstrate global literacy



Registering for Classes



This course catalog is designed to familiarize you with the program offerings, required courses, and course descriptions for subjects taught at Crater Renaissance Academy. Take the time to review this guide at home with your parents. It will give you a better understanding of your choice of courses. Keep in mind that not all courses are offered every year.

Facts for Consideration

When forecasting for next year, students should keep in mind the following:

- For graduation, Central Point School District requires that students earn a minimum of 48 credits in order to obtain a high school diploma. The schedule allows for ample room to schedule all required courses and additional classes necessary to access highly competitive colleges as well as laying the groundwork for future career choices.
- Pay close attention to the graduation requirements.
- Develop a master plan with your advisory teacher that includes all the years you have left in high school, all graduation requirements, and any college entrance or career expectations.
- Courses are divided into two types: required academic courses & focused program of study courses.
- Required courses are those which students must pass in order to meet the State of Oregon and the Central Point School District requirements for graduation. Focused program courses are designed to support students' interests, career goals and post high school plans.
- All courses and programs offered are contingent upon adequate funding.
- All courses offered are dependent upon enrollment. If an insufficient number of students request a course, the course will be canceled.

Schedule Change Procedures

Students are advised to forecast carefully. Course offerings and staffing are dependent on the student requests made at forecasting time. Therefore, students are expected to take and complete the courses they requested.

Schedule changes will be considered up to the **FIRST TWO WEEKS** of the trimester for the following reasons:

- The student needs to take a required course.
- The student was placed in an inappropriate course/skill level.
- The student lacks the required prerequisite.
- The student has previously received credit in that course.

Humanities (English & Social Studies)

HUMANITIES ELECTIVES

FRESHMAN /SOPHOMORE 2-YEAR HUMANITIES BLOCKS

Credits Earned: English I & II /US History /World Studies /Elective

Renaissance 2023-2024 Small Learning Community (SLC) Elective Themes

All of the following integrated blocks are college-preparatory and encompass the study of language arts, U.S. and international studies along with an elective focus. Part of this multi-period block is devoted to advisory activities that will help prepare students for college and life after high school. The regions we are focusing on this year are North and Central America. Each block will interpret these studies slightly differently as the various art forms/emphases are infused throughout the curriculum. There is an Accelerated English option for each block.

English I - Year-Long - Grade 9

English I will provide students with a strong language arts skill base that will be needed throughout high school. Reading strategies, vocabulary development, and genre exploration, both as a class and individually, will be the foundation for reading development. Writing in a variety of modes with a focus on developing control of traits and skills, including research basics, will be the focus of portfolio management and growth. This course is integrated with social studies, the arts, and skills for success. Literature selections will be tied to the 2-year looping social studies content in the course. Students will also practice and enhance their technology and presentation skills. Assignments will be designed to reinforce both skills development and content knowledge.

Accelerated English I - Year-Long - Grade 9

Accelerated English I will provide students with a strong language arts skill base that will be needed throughout high school. Reading strategies, vocabulary development, and genre exploration, both as a class and individually, will be the foundation for reading development. Writing in a variety of modes with a focus on developing control of traits and skills, including research basics, will be the focus of portfolio management and growth. This course is integrated with social studies, the arts, and skills for success. Literature selections will be tied to the 2-year looping social studies content in the course. Students will also practice and enhance their technology and presentation skills. Assignments will be designed to reinforce both skills development and content knowledge. In order to earn accelerated credit, students must complete the "Accelerated" option provided on course texts, assignments, projects and tests.

English II - Year-Long - Grade 10

This course offers a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing expository, persuasive, and creative multi-paragraph thematic essays and compositions. The study of literature will encompass various genres from around the world as students improve their reading rate and comprehension. Students read a combination of short stories, folktales, myths, novels, and poetry to determine authors' intent and theme and to recognize the techniques employed by the author to achieve their goals. Students learn through a variety of strategies which include discussion, project based-learning, debate, and hands-on creative activities to think critically, analyze the literature, and make connections to the cultures from which they come. This course features grammar, punctuation, syntax, and vocabulary development, and includes PSAT/SAT preparation. This course is taught in a small learning community that incorporates American and World Studies and a student-identified core elective.

Accelerated English II - Year-Long - Grade 10

English/Language Arts II Accelerated (10th grade) offers a balanced focus on composition and literature. Students write persuasive, critical, and creative multi-paragraph thematic essays and compositions, supporting their ideas with logic, evidence, and details relevant to their audience. Their study of literature encompasses various genres from around the world, and students develop the skills to determine authors' intent and theme and to recognize the techniques employed by the author to achieve the goal. Students will learn through a variety of strategies which includes discussion, project based-learning, debate, and hands-on creative activities. This course features grammar, punctuation, syntax, and vocabulary development, and includes PSAT/SAT preparation. This class is taught in a small learning community that incorporates American and World Studies and a student-identified core elective. To earn accelerated credit, students must complete the "Accelerated" option provided on course texts, assignments, projects, and tests.

World Studies – Europe and Asia (Year 1) - Year-Long - Grades 9, 10

This is an integrated class that will combine English, world regional studies, and an elective choice (see below). The social studies portion of this block class will include studies in Europe and Asia. These world regions will be explored through the disciplines of music, art, literature, culture, food, political science, anthropology, history, geography, and current events. Classes will include project-based learning, seminar-style discussions, field trips, group work, and art or STEAM projects. In true Renaissance Academy spirit, social studies will be encouraged through more than just reading, writing, and listening; the course will encourage students to learn constructively, artistically, musically, and verbally.

U.S. History: 20th Century America & the Americas-North, Central, & South (Year 2) Year-Long - Grades 9, 10

This course is designed to introduce students to the important events that have shaped the history and development of the Americas and the United States and its role in the world. The year-long focus will be on making connections between past and current events as well as on learning to apply universal concepts that lead to social and cultural change. Students will learn to evaluate sources for perspective and credibility as well as develop and support a thesis. Through integration with English I & II students will use social studies to further their development of reading, writing, speaking, and critical thinking skills.

SLC - Natural Resources Science (Year 1) & Global Environmental Science (Year 2) Land Lab - Year-Long - Grades 9, 10

Do you like to explore your environment? Do you want to have a positive impact on your community? Are you okay with getting a little dirty and creating art from nature? Would you like your elective to be a cool, lab-based science? Do you enjoy taking around 10 field trips each year? Then this off-campus, team-taught, land lab class is designed for you! This block is a blend of environmental science, history, literature, and art. As we travel around the world we will work on integrated projects that will earn lab-based Environmental Science credit, English credit, and World Studies credit. The outdoors is our laboratory! This block is part of the new Natural Resources/Forestry CTE Program (Career Technical Education) in Crater Renaissance which will provide you with academic and technical skills, knowledge and training to succeed in future careers and become a lifelong learner. Year ONE will have a fire, forestry, aquatics, wildlife & local Rogue Valley focus and year TWO will have a geology, astronomy, soil, agriculture, food & human population focus. This program also grants access to FNRL - the Future Natural Resource Leaders Student Organization - which comes with many additional opportunities to travel across the state, participate in career development events/competitions, meet other students who care about natural resources, and gain experience with a variety of forestry and science related equipment, such as high tech water quality meters, chainsaws, drones, lasers, and axes!

SLC - RA Digital Studio (Digital Arts-Desktop Publishing, Graphic Technology, and Video)- Year-Long - Grades 9, 10

In the RA Digital Studio, you'll be able to develop your creativity and create authentic products as you learn about the world and polish your skills in thinking, reading, writing, speaking, and listening.

Together we will build skills in communication and creativity through video production, photography, and other areas of digital arts and graphic design using the Adobe Suite. This block is for those who are interested in developing their designer's eye and are willing to dive into the technical programs that nearly every professional graphic designer and filmmaker use. Digital assignments include creating a short film to enter into multiple film festivals (including our own Digital Studio Film Fest in the PAC at the end of the year), creating music videos for real bands in the PNW, and developing strong technical skills in DSLR camera operation, Adobe Photoshop, Illustrator, and Premiere. Join us to build a strong community in which we create meaningful work that we all are proud of. Dream big!

SLC - Culinary Arts - Year-Long - Grades 9, 10

This course is centered on the idea of "know thyself; think globally, act locally," and as such, students will be encouraged to self-reflect, expand their perspectives, knowledge, and skills, think about the various cultures and perspectives of the world, and examine how they can have an impact on their local community. Together, we will explore the history, literature, art, government, politics, and cultures of the world in this integrated English, social studies, and culinary arts course. Yes, culinary arts – a component of our exploration of other cultures will include cooking and eating some of their cultural dishes, as well as researching the history of these dishes. But don't be caught up purely in the "culinary arts" label here! While we *will* be cooking and eating food from around the world, reading, discussion, and student driven research and presentations drive this learning community!

SLC - Maker Lab - Year-Long - Grades 9, 10

The focus of Maker Lab is to inspire creativity and to generate student-driven products. While some of our projects find inspiration in the past, we use modern engineering and product design tools to produce our work. The Adobe Suite, various 3D-modeling programs, and a close partnership with CraterWorks fuel our projects. Our products take various forms throughout the year: foam core models, 3D-printed models, wood models, elements of coding, and electronics/circuitry. While we utilize Socratic discussion, college-ready reading and writing, and in-class debate to frame our humanities studies, we will also focus on understanding how different technologies work and have shaped history. This focus allows students an opportunity to engage in deep-seated inquiry across different subjects, strengthening their engagement and understanding of the modern world.

JUNIOR /SENIOR 2-YEAR HUMANITIES BLOCKS

Credits Earned: English III & IV (Accelerated or AP Options) /Civics or Sociology /World Studies /Elective

Renaissance 2023-2024 Small Learning Community Elective Themes

All of the following integrated blocks are college-preparatory and encompass the study of language arts, international studies, civics or sociology and an elective focus. Part of this multi-period blocks are devoted to advisory activities that will help prepare students for college and life after high school. Each block will interpret these studies slightly differently as the various art forms/emphases are infused throughout the curriculum. There is an Accelerated English option for each block, and all 11-12 blocks require the successful completion of a capstone research paper and a defense of learning speech for graduation.

English III - Year-Long - Grade 11

English/Language Arts III courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, and word choice. Students write essays using a variety of strategies to adapt writing for different audiences and purposes; and students articulate a position through a thesis statement and advance it using researched evidence, examples, and counterarguments relevant to the audience or issue. Students continue to read works of literature which encompass various genres from around the world. Students analyze literature, discussing with understanding the effects of an author's style and use of literary devices to influence the reader and evoke emotions. Students are able to discuss and understand the relationships between literature and politics, including the political assumptions underlying an author's work and the impact of literature on political movements and events. This course features grammar, punctuation, syntax, and vocabulary development, and includes SAT/ACT preparation. This class is taught in a small learning community that incorporates World Studies and a student-identified core elective.

Accelerated English III - Year-Long - Grade 11

English/Language Arts III Accelerated courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, and word choice. Students write essays using a variety of strategies to adapt writing for different audiences and purposes; and students articulate a position through a thesis statement and advance it using researched evidence, examples, and counterarguments relevant to the audience or issue. Students continue to read works of literature which encompass various genres from around the world. Students analyze literature, discussing with understanding the effects of an author's style and use of literary devices to influence the reader and evoke emotions. Students are able to discuss and understand the relationships between literature and politics, including the political assumptions underlying an author's work and the impact of literature on political movements and events. This course features grammar, punctuation, syntax, and vocabulary development, and includes SAT/ACT preparation. This class is taught in a small learning community that incorporates World Studies and a student-identified core elective. To earn accelerated credit, students must complete the "Accelerated" option provided on course texts, assignments, projects, and tests.

English IV - Year-Long - Grade 12

In addition to building upon and applying the literacy skills acquired in English III, this class is designed to provide seniors with the reading, writing and vocabulary necessary for post-secondary education. Students write critical and comparative analyses of selected literature. Typically integrated with one or more subject areas, at least one major research project / presentation / exhibition will be required.

Accelerated English IV - Year-Long - Grade 12

In addition to the course content explored in English IV, accelerated students will write critical and comparative analyses of selected literature. Students will develop college-survival skills in thinking, note-taking, essay writing, literature study, and research. Typically integrated with one or more subject areas, at least one major research project / presentation / exhibition will be required. RCC College Now Credit in Writing 121 (4 credits), English 104 (4 credits), and Speech 111 (4 Credits) is available for students who choose the Accelerated English Option, have a 3.0 minimum GPA, and pass the RCC writing exam and portfolio component.

Advanced Placement English Language & Composition - Year-Long - Grades 11, 12

Prerequisite: Staff approval This course will help prepare students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives. This course is a year-long preparation for the AP Language and Composition exam administered by the College Board in May. As an equivalent to a first-year undergraduate level college class, AP Language and Composition requires a commitment to independent learning and strong study skills. Some summer reading is required. RCC College Now Credits in Writing 121 (4 credits) and English 104 (4 credits) are available at no cost.

Civic Engagement (Year 1) - Year-Long - Grades 11, 12

If you are interested in studying individuals, leaders, organizations, governments, laws, and events that have shaped how we live and changed our world, then this course is for you! The purpose of civic engagement is to prepare students to perform effectively as informed citizens, especially in such a fast-paced ever-changing world. The focus on civics will help prepare you to be positive, contributing citizens as we study US and world politics, economics, personal finance, the relationship between government and its citizens, the media, and current events. Toward these ends, you will be developing mastery in social studies, English, and communication skills (i.e. reading, writing, speaking, listening, and thinking) required for success in college-level classes and life after high school.

World Studies-Africa, India, Middle East & Oceania (Year 2) - Year-Long - Grade 11, 12

This is an integrated class that will combine English, world regional studies, and an elective choice (see below). The social studies portion of this block class will include studies in Africa, India, the Middle East and Oceania. These world regions will be explored through the disciplines of music, art, literature, political science, anthropology, history, geography, and current events. Classes will include project-based learning, seminar-style discussions, field trips, group work, and art or STEAM projects. In true Renaissance Academy spirit, social studies will be encouraged through more than just reading, writing, and listening; the course will encourage students to learn constructively, artistically, musically, and verbally.

SLC - Media Production - Year-Long - Grades 11, 12

Have you ever wanted to tell a compelling story or persuade someone to agree with you? This is the class for you! In this class, we will explore different facets of mass communication including journalism, advertising, social media, and public relations. In an inclusive, welcoming classroom community students will learn and practice thinking critically about the media they consume and produce, and recognizing the role bias and perspective play in decision making. Students will gain an understanding of media production and digital storytelling. Through student-led print and video news, podcast, and social media projects, students will practice project design, media literacy and analysis, and reporting and writing for varied audiences. Activities include designing advertising campaigns, reporting on current and historical events, developing social media messages, producing audio and video content, and practicing life skills including personal and professional skills like resume writing and job interviews, filing taxes and personal finance. Students will develop their skills with critical thinking, communication, collaboration, and creativity while staying in touch with local, state, national and international current events. This course is project-based, student-driven, and focuses on skills and understandings that students can include on college applications and apply beyond the classroom.

SLC - Photography-Trimester 1, Visual Communications Design Trimester 2, Visual and Performing Arts Trimester 3 - Year-Long - Grades 11, 12

How can you create the world that you want to live in? How have art, photography, literature, and film changed the world? How do we create connections with other people through art? In this class we will explore the ways that social movements have been impacted by photography and the arts and how art captures and changes the human experience. You will have the opportunity to grow as a photographer (learning terminology, practicing a range of different types of photography including nature, portrait, action, macro, still life, stop motion) and digital editor (Adobe Photoshop, Illustrator, and InDesign) and as a hands-on artist through designing, brainstorming, collaborating on, prototyping, and completing a variety of traditional art-based projects. Students will also complete small and large-form film projects as part of the process of learning the elements of design. These include camera shots and angles, film editing, working collaboratively with others, working independently, lighting, sound, filming, and/or acting. Students may have the opportunity to work in other settings through field trips and use their skills to complete projects that incorporate elements from English, Social Studies, and Art.

SLC - Citizenship & Communication Art - Year-Long - Grades 11, 12

Here you will have opportunities to participate in life simulations like joining the personal finance budget challenge, taking on the role of parent to a “flour baby” for a week (we don’t use real babies!), and being a judge for the “Shark Tank” group challenge. We will work on decision-making, goal setting, stress reduction, college and career preparation, and personal health and well-being through small group projects, teen wellness activities, and mentoring opportunities such as “First Fridays” and other community connections. Creativity and movement activities like group role plays, hands-on learning, friendly competitions, and speaking and performance opportunities are highly encouraged as we practice communication and argumentation skills across various mediums (journalism, television, film, documentaries, Ted Talks, advertising, podcasts, music, speeches, spoken word, and social media). Areas of social studies include history, economics, personal finance, government, the media, and current events. Books we will read connect to our class themes of identity, freedom, individual rights and responsibilities, power, government, economics, race, gender, culture, and technology. This class is a welcoming place to help you find your voice and build confidence and self-esteem as we explore the world around us in exciting and engaging ways. Multiple college credits available in this class.

SLC - Sociology & Natural Resources Internship - Yr. 3, Science of Energy and the Environment - Yr. 4 Off Campus at Land Lab - Year-Long - Grades 11, 12

Are you concerned about society and the problems in our world? Do you care about your environment? Do you want to give back to your community? Then this off-campus, team-taught, land lab block is designed for you. At the Land Lab you will discover your place in society, and you just might discover your purpose in this world! This block is part of the new Natural Resources CTE Program (Career Technical Education) in Crater Renaissance Academy, which will provide you with academic and technical skills, hands-on training to succeed in future careers and become a lifelong learner. Next year, we will study *Sociology* (which is the study of society, human relationships, inequalities in society and different cultures & social problems), *English*, and *Natural Resources Internship* - where you will gain real-world experience at an internship of your choice. Next year, the literature and novels are connected to Sociology topics such as Age, Gender, Social Class, Crime, Deviance, Social Control, and Privilege. In Natural Resources Internship, students will attend a 12-18 week internship during the second half of the year, and will have an opportunity to earn dual credit in high school and at KCC if the internship is in the science field. Non-science internships earn high school credit. In the remainder of the year, students will prepare for their futures by researching colleges, fill out college and trade-school applications, tour college campuses, attend career fairs, and complete their college admission essays. They will also pursue financial aid through scholarships, Oregon Promise, and the FAFSA application. In addition, they will complete community service through the Medford Food Project, the City of Central Point Adopt-a-Street Program, and the Jackson County roads Adopt-a-Highway program. They will also be exposed to U.S. government and politics as well as gain experience with local government agencies.

The Sociology course can be counted as either World Studies, an Elective, or Mental Health, depending on your needs. Sociology earns college credit. Your Internship can count as an Elective or Science, based on where you choose to intern. Science based internships earn college credit. Multiple college credits available through RCC and KCC for English and Writing are available in this block class as well. Bus transportation is provided to the Land Lab daily.

In the following year, we will travel around the world to study *Africa, India, the Middle East and Oceania*, and the Environmental Science focus will be on Water, Energy, Pollution, & Environmental Justice

Inquiry (Math & Science)

Integrated Mathematics I - Year-Long - Grades 9 & 10

Math 1 is part of an integrated program that Renaissance follows for Math 1 and Math 2. Math 1 focuses on linear functions, two dimensional geometry, and statistics, including applications in authentic contexts.

Integrated Mathematics II - Year-Long - Grades 9, 10, 11

Math 2 is the second part of the integrated program in Renaissance. The focus shifts into quadratic functions and three dimensional geometry. Both subjects are woven to further understanding of mathematical concepts.

Integrated Mathematics III - Year-Long - Grades 10, 11, 12

Math 3 covers polynomials, exponential, logarithmic and rational functions, with a focus on modeling authentic applications of functions. Math 3 is required for many trade apprenticeship programs and STEM careers.

Statistics - Year-Long - Grades 11, 12 (Prerequisite: Math 2)

Statistics looks at the collection of data, creation of data representations, and communication of results. We will explore the rhetoric surrounding statistics in our current environment. Topics include qualitative statistics, quantitative statistics, types of distribution, misleading data, correlation versus causation, and bias. This class is perfect for anyone who prefers working with projects and data.

Pre-Calculus - Campus Crossover Class - Year-Long - Grade 11, 12

(Prerequisite: Integrated Math III)

The primary purpose of this course is to equip the advanced math student with the proper skills necessary for success in AP Calculus and future college-level math courses.

Advanced Placement Calculus - Campus Crossover Class - Year-Long - Grade 11, 12

(Prerequisite: Pre-Calculus (grade A or B) or teacher recommendation)

The primary purpose of this course is to equip the advanced math student with the proper skills necessary for future college-level math courses. Students have the opportunity to gain college credit in calculus by earning credit for Calculus I from Southern Oregon University.

Advanced Placement Statistics - Campus Crossover Class - Year-Long Grades 10,11,12 (Prerequisite: Integrated Math III, or Statistics)

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Students who successfully complete this course may earn up to eight quarter units of college credit.

Biology - Year-Long - Grade 9

This course introduces the principles and concepts of biology, the study of life. This required laboratory-based science class will lay a strong foundation for future science classes students may take in high school. Students will use the scientific method to investigate topics like cell structure and function, metabolism and energy transformation, genetics, cancer and other diseases, and other related topics.

Physical Science - Year-Long - Grade 9

Physical Science is an introduction to physics and chemistry, and will look at the interactions between matter and energy. Labs and projects are used to give students hands-on learning and practical applications as well as to teach the material. Students should also expect to use some math (calculators are provided). Topics that will be studied include: the periodic table, atoms, chemical reactions, motion and Newton's laws, heat, sound and light, electricity, and magnetism.

Earth and Space Science - Year-Long - Grades 10, 11, 12 (Prerequisite: Biology)

We humans occupy a very small chunk of real estate in the universe, as Earth is just one of many planets orbiting one of many stars in the Milky Way. In this course, we will study the processes that continue to shape our home planet, our solar system, and beyond. Some of the topics we will explore are stars and galaxies, plate tectonics, natural hazards, weather, climate change, and sustainability.

Zoology - Year-Long - Grades 10, 11, 12 (Prerequisite: Biology)

This course covers the major groups of animals, with a focus on the animals found in Oregon. We will look at their classification, ecology, environmental issues, behaviors, relationships, anatomy, and physiology. The diversity of animal life and the manner in which structure and function complement each other are basic themes of this course. This course also involves animal dissections. This is a CTE class with the potential to earn college credit.

Anatomy & Physiology Campus Crossover Class - Year-Long - Grades 10, 11, 12 (Prerequisite: Biology)

Anatomy & Physiology will present the human body and biological systems in detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems).

Chemistry - Year-Long - Grades 10, 11, 12 (Prerequisite: Biology)

Prerequisite: Biology & Integrated Math II (completion or concurrent enrollment)

This course deals with matter and energy as well as the changes that can take place through chemical interactions. Concepts learned in the classroom are supplemented by laboratory exercises. Successful completion of this chemistry course will give the college-bound student a better understanding of the technical world in which he/she lives. Topics include structure of the atom, states of matter, thermodynamics, chemical reactions, stoichiometry, nuclear chemistry, and dimensional analysis. KCC college credits are available with this course.

Physics - Year-Long - Grades 10, 11, 12 (Prerequisite: Biology)

This course focuses on how quantities such as force, energy, and momentum affect the universe as a whole. In this class, students will use math and their own observations to explore topics such as motion, forces, sound, light, electricity, magnetism and more. Students in this class will do laboratory experiments and projects.

Special Education

The Special Education classroom is a multi-aged placement for 9th through 12th-grade students who experience significant disabilities and require modified instruction. Courses are taught by highly qualified special education teachers who support students in their efforts to earn a Modified or Extended diploma. Students receiving special education services will have the opportunity to pursue general education coursework with support.

Modified English Language Arts (ELA)

Term(s) Offered: 1,2,3 **Credit:** 1 **Prerequisite(s):** Individual Education Plan (IEP)

Students on an alternate diploma track may participate in modified ELA classes. The curriculum for the class will be individualized and adjusted to the student's skill level and yet challenging enough for growth. In the course, students will work on reading comprehension, writing paragraphs and essays, creative writing, sentence structure, understanding author's purpose and themes, referring back to text, and supporting answers with evidence from text. To help students engage, relate, understand, and work toward mastering these topics, we will use a variety of activities including partner work, group work, watching movies and using response questions, journaling, group discussions and more. We will also use the Learning Ally online program. This program offers books online with audio, highlights the sentences as the words are read, and can be sped up or slowed down to adjust to student needs and preferences for better learning

Foundational/Modified Math I: Life Skills/Functional

Term(s) Offered: 1,2,3 **Credit:** 1 **Prerequisite(s):** Individual Education Plan (IEP)

Educational Services Lab

Term(s) Offered: 1,2,3 **Credit:** 1 **Prerequisite(s):** Individual Education Plan (IEP)

Foundational/Modified Math II: Bridge to Algebra

Term(s) Offered: 1,2,3 **Credit:** .67 **Prerequisite(s):** Individual Education Plan (IEP), Modified Diploma

This course is for students on IEPs who are on an alternate diploma track. Topics covered include fractions, decimals, pre-algebra, and the manipulation of positive and negative integers. The coursework has been designed so that students are prepared to enter Interactive Math 1 the following year.

Modified Social Science

Term(s) Offered: 1,2,3 **Credit:** 1 **Prerequisite(s):** Individual Education Plan (IEP)

Electives

Arts & Communication

Studio Art 1 - Year-Long - Grades 9, 10, 11, 12

(\$10 course fee) The Introduction to 2D and 3D Art course offers high school students a comprehensive exploration of fundamental visual arts principles and techniques. Through hands-on projects, students will develop skills in drawing, painting, sculpture, ceramics, and mixed media. The curriculum incorporates art history, critical thinking, and collaboration, fostering creativity and personal expression. By the end of the course, students will have a diverse portfolio and a strong foundation in art, enabling further studies or a lifelong appreciation for the arts.

Studio Art 2 - Year-Long - Grades 10, 11, 12 (Prerequisite: Art 1)

(\$10 course fee) This course is a continuation of Art 1, providing a chance for students to experience a wide range of art-making practices, and gain a greater understanding and appreciation of the visual arts. Students will create artworks directly based upon the elements and principles of design. Media explored will include 2D and 3D art forms to develop foundational art skills. Students will work with graphite, charcoal, watercolors, and all forms of painting, ceramics and many other examples of multimedia. Students will continue the development of an ongoing digital portfolio that archives and tracks their artistic growth through the art program.

Studio Art 3 - Year-Long - Grades 11, 12 (Prerequisite: Art 2)

(\$10 course fee) This course is a place for students to identify areas of interest that they would like to develop on an independent level. Students will begin developing a personal style, medium concentration, and identification with influential artists from the past and present. Students will acquire more complicated systems by which to make value judgments in art. Work from this year, along with previous work within their portfolio will be prepared for college submission.

Studio Art 4 - Year-Long - Grade 12 (Prerequisite: Art 3)

(\$10 course fee) This course is a place for students to identify areas of interest that they would like to develop on an independent level. Students will begin developing a personal style, medium concentration, and identification with influential artists from the past and present. Students will acquire more complicated systems by which to make value judgments in art. Work from this year, along with previous work within their portfolio will be prepared for college submission.

Advanced Placement 2D Studio Art - Year-Long - Grades 11, 12 (Prerequisite: 2 previous years of art (per ap college board))

(AP Exam Fee) AP 2D Studio Art is a rigorous year-long course that is a good fit for serious art students who wish to earn college credit during high school. Students must be highly motivated to produce work of excellent quality (including during the summer) in an independent study environment. Emphasis will be placed on the importance of producing original work in which students will develop a mastery of concept, composition, execution, language and sophistication regarding their unique styles and voices. In the spring, students must photograph and upload 15 pieces of work that represent sustained investigation and show a range of painting, drawing, and other 2D mediums and styles (some of this work can be pulled from previous years). These 15 pieces will also be uploaded to the College Board for evaluation. In addition, 5 selected works will be submitted to the College Board for the Quality evaluation. These pieces may be drawn from the 15 sustained investigation works, or may be 5 independent pieces.

Digital Art I - Year-Long - Grades 9, 10, 11, 12

This introductory course in computer graphics will provide students with the opportunity to explore the role of creativity in modern digital design. Students will learn professional techniques in digital illustration and design principles. Students will be introduced to the Adobe Suite and cover topics including Illustration & layout (Adobe Illustrator & InDesign), Photo Manipulation and Digital drawing (Photoshop & Fresco), and Motion Graphics (Animate & Premier). Students will use these tools to create high quality projects such as logos, posters, products and animations.

Digital Art II - Year-Long - Grades 10, 11, 12 (Prerequisite: Digital Art I)

This course will refine skills learned in Graphic Design I and focus on the use of Adobe Creative Suite software such as Adobe Illustrator, InDesign, Photoshop, Fresco, Animate, and Premier. Students will also learn advanced image creation and additional software programs. This course will also examine the core competencies for a successful graphic design career. Students will have the chance to earn a certificate in multiple adobe programs (**certificate exam fee**).

Adv. Printing & Graphics I - Year-Long - Grades 10, 11, 12 (Prerequisite: Digital Art I (or 1 year of any media/digital art))

This course is for students with a serious interest in pursuing a degree or career in professional design. Students will continue to advance design and software skills learned in Digital Art II to an expert level and learn additional software. This course offers students the opportunity to role play designer/client relationships and create designs for commercial applications. Students will gain industry experience through on campus opportunities.

Adv. Printing & Graphics II - Year-Long - Grades 11, 12 (Prerequisite: Adv. Printing & Graphics I)

This course is for students with a serious interest in pursuing a degree or career in professional design. Students will continue to advance design and software skills learned in Adv. Printing & Graphics I to an expert level. This course offers students the opportunity to create a professional body of work that reflects their personal style and talent. Students will choose an area of focus to research such as animation, advertising, fine art, digital illustration, product development, and industrial design. Students will have the ability to work on independent projects and create a sophisticated portfolio suitable for professional entry work or university submission.

Creative Writing - Year-Long - Grades 9, 10, 11, 12

This course will focus on expressive writing in many different forms. Students will have the opportunity to explore several different types of poetry and prose styles, as well as responding to literature, art mediums, quotes, and music. Originality and writing that shows thought will be emphasized. Strategies to avoid writer's block and new ways to uncover ideas for writing will be studied. Peer reviews and sharing ideas are essential elements to this course

Music Appreciation - Year-Long - Grades 9,10, 11, 12

Music Appreciation is open to all students. The purpose of this course is to increase students' musical awareness and give students the tools to actively listen to, discuss, and critique various styles of music. The first portion of the course will focus on learning the basic elements of music: Melody, Rhythm, Harmony, Form, Texture, Tempo, and Dynamics. Using appropriate music vocabulary, students will study and discuss a variety of musical genres, including Classical, Jazz, Rock, Musicals, and World Music

World Language

Spanish I - Year-Long - Grades 9, 10, 11, 12

Beginning Spanish is a total immersion environment in the Spanish language. It is a fun, safe, positive environment where students will begin to develop the foundational skills necessary to communicate in the second language. There is an emphasis on speaking, movement and building community. Students will develop the basic skills needed in reading, writing, speaking and comprehension that will lay a strong foundation that will assist them in continuing on to four years, where they will be eligible for college credit. In line with our focus on International Studies at Renaissance, students are encouraged to consider taking four years of language in order to broaden their understanding of other cultures and leave high school proficient in a second language.

Spanish II - Year-Long - Grades 10, 11, 12

In Intermediate Spanish, students will continue building on the skills established in Beginning Spanish. The kinesthetic, immersion environment will continue to develop their oral proficiency skills, and build up their vocabulary and Spanish level in order to prepare students for the advanced levels. Students will leave intermediate Spanish with a basic functioning level of language. The themes will continue to revolve around self, family, friends and community. Students will be able to discuss issues related to themselves, with a beginning ability to discuss global and social issues. Reading articles and level appropriate literature will further increase comprehension, grammar and pronunciation skills, thereby improving confidence to speak and communicate using the target language. *Note: Seniors in Intermediate Spanish are eligible to take the college credit test once they reach the proficiency level of a Novice High.*

Spanish III and Spanish IV - Campus Crossover Class - Year-Long - Grades 11, 12

This two-year loop will expand on the themes of self and your world to delve into a more global perspective. The class will discuss current events, explore further the concepts of International culture introduced in intermediate Spanish, and wrestle with contemporary issues. More grammar and focus on writing and revision occurs at this level, as the students language broadens and deepens. As in Spanish II reading articles and level appropriate literature will further increase comprehension, grammar and pronunciation skills, thereby improving confidence to speak and communicate using the target language, *Seniors in Spanish III or IV will be eligible to take the college credit test for 12-20 credits.*

Mandarin I - Year-Long - Grades 9, 10, 11, 12

This course is an introduction to Mandarin Chinese conducted in an immersion environment. Students learn the Pinyin system, basic strokes of Chinese characters, and use acquired oral language skills in a variety of activities. While our focus is primarily on oral proficiency, students learn to read and write basic Chinese characters and to recognize these in context.

At the end of this level, students will have acquired the following language skills: asking and answering basic questions; describing likes and dislikes; making short oral presentations in Chinese; engaging in short reading and writing activities. These skills are employed within the framework of familiar contexts such as family, leisure activities, home, and school life. Students will have a basic understanding of Chinese culture. They learn how to do Tai Chi Fan. Students are expected to reach the ACTFL Proficiency Level of Novice Mid.

Mandarin II - Year-Long - Grades 9, 10, 11, 12

This is a Mandarin Chinese course intended for students with some knowledge of Mandarin and written Chinese. Conducted in an immersion environment, this course will focus on enlarging vocabulary, useful daily expressions and conversations, reading and writing Chinese characters, and further introduction to Chinese culture. By the end of the course, students will be able to extend topics about themselves and the community, such as occupations, family life, daily and school activities, interests and personal preferences, Chinese food, music; and talk about some Chinese cultural phenomena with a larger vocabulary and more complicated sentence structure. They learn how to do Tai Chi. Students are expected to reach the ACTFL Proficiency Level of Novice High.

Mandarin III/IV - Year-Long - Grades 10, 11, 12

In this two-year class, students will continue to enlarge vocabulary and enrich grammar structure in order to explore more international topics such as current events, education, literature, internet, technology, environmental protection in listening, speaking, reading and writing. Students will have better cultural awareness and a deeper understanding of Chinese culture. They learn some basic movements of Kung Fu. Students are expected to reach the ACTFL Proficiency Level of Intermediate Low.

Music – Vocal & Instrumental

Concert Choir - All Access - Year-Long - Grades 9, 10, 11, 12

Open to all students who wish to improve their singing skills in a group setting. This is a performance class that gives two main concerts a year, (mandatory participation). There are also community outreach opportunities throughout the year. Students will develop foundational skills such as proper breath support and reading notation while developing part independence in an ensemble. Choir is also a great place for students to grow their confidence in their individual solo voices and expand their creativity amongst a supportive group of peers!

EB Jazz Band- All Access - Year-Long - Grades 9, 10, 11, 12

Jazz Ensemble can be taken by instructor approval only. It is open to specific instrumentation, i.e. saxophones, trumpets, trombones, drum set, bass, guitar, piano, vibraphone and vocal soloists. A variety of music will be selected for performances throughout the year.

Concert Band - All Access - Year-Long - Grades 9, 10, 11, 12

Concert Band is open to students with previous experience in Band or instructor approval. A variety of music will be selected for performances throughout the year. Students are encouraged, but not required, to participate in the Marching Band and Basketball Band.

Intro to Piano - All Access - Year-Long - Grades 9, 10, 11, 12

Beginning Piano provides students with individualized training in basic piano technique and reading musical notation. This course is designed to develop skills both individually and in small groups. Students may have the opportunity to explore repertoire from different cultures and historical periods as they learn the basics of note reading and performance technique. A command of the basic elements of music is developed through exercises in composing and arranging. Students will also learn about influential musicians from the past and present who have contributed to the development of the instrument. Students need no prior experience playing the piano to enroll in Beginning Piano. Providing your own keyboard is encouraged but not required.

Intro to Ukulele - All Access - Year-Long - Grades 9, 10, 11, 12

The focus of this class will be singing a variety of songs while strumming chords. Players will be instructed on the fundamentals of playing ukulele, rhythm basics, tab and music notation. Introduction to Ukulele provides students with individualized training in basic ukulele technique, musical notation, history, and culture. This course is designed to develop skills both individually and in small groups.

Intro to Guitar - All Access - Year-Long - Grades 9, 10, 11, 12

Beginning guitar will focus on the fundamentals of playing guitar. Students will also explore basic music theory, rhythm basics, chord shapes, tab and music notation. Please provide your own guitar. Class material will be provided. Students will also learn about influential musicians from the past and present who have contributed to the development of the instrument. Students need no prior experience playing the Guitar to enroll in Intro to Guitar.

Physical Education & Health

Physical Education - Trimester-Long - Grades 9, 10, 11, 12

The physical education classes at Renaissance Academy include both team and individual sports activities. Activities offered are focused around physical fitness, recreation and activity. Basic proper mechanics and skill development are included. Components of fitness are practiced and included. Emphasis is placed on teamwork, social skills, and basic skill development, and movement. Both vigorous and recreational activities will be included 2-3 times each week meeting national standards for physical fitness.

Core Fitness - Trimester-Long - Grades 9, 10, 11, 12

Fitness will focus on both physical, and mental growth. Physically, our goal will be to become more mobile, flexible, faster, and stronger. Mentally we will learn to overcome adversity, learn teamwork, and develop a sense of comradery. We will also cover topics such as nutrition, hydration, and sports specific movement. More importantly than anything, this class should be fun. If this is a class you cannot get excited to come to, you may think about finding a different class. We are going to work hard everyday to make ourselves better human beings.

EB Football Lifting – Campus Crossover Class - Trimester-Long - Grades 9, 10, 11, 12

Health I - Physical & Health II - Mental - Trimester-Long - Grades 9, 10, 11, 12

Health I & II is a comprehensive yearlong course that encompasses physical, mental, social & emotional health topics. Along with identifying specific issues, illnesses and concerns, we will explore, discuss and develop healthy life skills that are applicable for today's challenges. A few of the topics covered in this course are; self-awareness, decision-making, stress & stress management techniques, body image, drug addiction/ recovery, sexual health, relationships (healthy v. unhealthy), child development and death & dying. This course provides students with the opportunity to focus on their overall personal health so that they are able to make decisions that will support a lifetime of productivity.

Fitness for Life - Trimester-Long - Grades 9,10,11,12

This class is a unique blend of yoga, walking, and movement. It also connects various mindfulness themes through discussion, meditation, and journaling. Alongside exploring the mind-body connection in an individual and personal way, we will learn about specific muscle groups, organs, proper posture and physical alignment, and how to monitor cardio activity.

Theater Arts

Theater Arts-All Access - Year-Long - Grades 9, 10, 11, 12

In this class we will focus on acting. We will work to develop dramatic instincts, understanding character motivations, and analyzing scripts. We may explore aspects of theater such as musicals, children's theater, and more as well. This is a good class for beginners and experienced actors alike; newcomers will be able to learn the basics, while returning students will focus on improving their craft.

Theater Production - All Access - Year-long - Grades 9, 10, 11, 12

This class will cover all production aspects of putting on a play. For example, students will have an opportunity to work with lighting and sound design, costumes, hair and makeup, set construction, and more. Students who enroll in this class will be expected to participate in the after school productions that tie directly into the work we are doing in the classroom. You will be a part of making our shows happen this year!

Art and Literature of Gaming - All Access - Grades 9, 10, 11, 12

As students of The Art and Literature of Gaming, your charge is to critically evaluate the elements of games in order to gain a greater understanding as to the impact of each game as well as what each reveals about the nature of humanity and society. With an emphasis on critique and analysis, in our time together we will use the works of Jane McGonigal, Joseph Campbell, and Multicultural Studies to understand the inherent literary, artistic, and cultural value of the ever-growing medium video games. We will play plenty of video games together too!

Other Classes / Credit Opportunities

Deaf/HH Resource Center - Year-Long - Grades 9, 10, 11, 12

The Deaf and hard of hearing resource room is a class that provides specialized, direct instruction to Deaf and hard of hearing students by the teacher of the Deaf. The teacher provides students instruction in language, auditory compensation, cognitive development, reading/comprehension skills and academic subjects based on the curriculum and the student's needs. Support services are also provided by sign language interpreters with sign systems based on student needs.

English Language Development - Year-Long - Grades 9, 10, 11, 12

This course is designed to develop the oral and aural skills of non-native speakers of English from low to advanced intermediate English proficiency by increasing their oral expressive language abilities and developing strategies for increased listening comprehension. Class time is devoted to direct English language skills development, and listening and speaking tasks designed to help students develop strategies for understanding class lectures, taking notes, and interacting in campus activities, as well as develop confidence in making presentations in English and participating in small group and class discussions.

Peer Tutoring Pass / No Pass - Trimester-Long - Grade 10,11,12 (Prerequisite: Teacher Approval)

This credit course offers an opportunity for students to help other students develop their skills in a classroom setting. Working one-on-one with students, working with a small group of students, and copying / making materials for the students are some of the opportunities in this class. Students taking this class are expected to model appropriate social and academic behavior.

Teacher Assistant –Pass / No Pass - Trimester-Long - All Grades (Prerequisite:Teacher approval)

This credit course offers an opportunity for students to assist teachers in routine preparatory tasks such as making photocopies or organizing supplies. Students taking this class are expected to attend regularly, stay with his or her assigned teacher and model appropriate social and academic behavior. Students must apply for their teacher assistant positions at the start of each semester.

Workplace Experience – Pass / No Pass - Trimester-Long - Grades 11, 12 (Prerequisite: Teacher approval)

This credit course offers an opportunity for students to earn an elective for official paid employment. Students must show documentation of at least 60 hours of paid work in a one year period in order to earn credit.

All Campus Electives – Crossover Electives in BIS or CAHPS

WELDING 101 Grades 10-12 College Credit Available

American Welding Society certification levels G1 and G2 may be obtained upon completion of this one semester course in welding. Students will learn set-up and use of oxyacetylene equipment, arc welding equipment, and MIG welding equipment. The main focus of the class will be job entry level welding skills (\$8.00 fee required). This class will help students meet standards in reading.

WELDING 201 Grades 10-12 Prerequisite: Welding 101 College Credit Available

Vocational Agriculture Welding 102 is designed for students wishing to further their welding skills, with the possibility to build a small project (project approval required). Students are required to have taken Welding 101 and have successfully grasped beginning skills. Students with welding experience comparable to Crater coursework may also enroll with instructor's permission. During this course, students will be working with technology very similar to the current industry with high quality equipment and some run by computers. This class will help students meet standards in reading and technology.

METAL FABRICATION Grades 10-12 Prerequisite: Welding 101 & 201

This course will enable students to take what they have learned in beginning welding and apply that knowledge to real life application. A student will develop skills in metal equipment assembly and joining processes. (\$8.00 fee required). May be taken more than once for credit.

Construction Technology I and II Trimester-Long Grades 9-12 1 CTA Credit

Students will learn how a building is constructed from the beginning planning to the completion of roof and interior by studying the construction industry, methods used in construction, and taking part in planning, designing, and constructing a final project. Many hands-on activities will be incorporated to demonstrate and reinforce the lessons. Students begin by taking Construction Tech I and then can take II. *A class materials fee may be assigned.* (CAHPS)

Agricultural Facilities Management Trimester-Long Grades 10-12 1 CTA Credit

In this course, students will study and review many different agriculture facilities focusing on improving or rebuilding sites with or without any funds. Students will make goals for sites and facilities and organize and prioritize their needs. Students will utilize skills in communication, public relations, plant production, animal care and handling, mechanical, and construction at agriculture facilities. Facilities used include the classroom, the greenhouse, and the Land Lab.

INTRO TO AGRICULTURAL SCIENCE College Credit Available (BIS)

This course is designed to introduce students in Agriculture Science and Technology to global agriculture, career development, leadership skills, personal development, and FFA. Students will develop agricultural science and technology skills in soils, plants, animals, foods, and development of a supervised agricultural Crater This course provides an introduction to mass communication in agriculture and its history, including its role in society and natural sciences.

Animal Science Trimester-Long Grade 9-12 1 CTA Prerequisite: Intro to Agriculture

Develop basic principles for management of cattle, sheep, goats, swine, and poultry; including the history and characteristics of different species, nutrition, animal selection and animal welfare. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities. KCC College Credits Offered. (BIS)

Agriculture Leadership Trimester-Long Grade 11-12 1 CTA or Elective Credit

Course Prerequisite: Teacher approval needed jim.miller@district6.org The agriculture leadership class is a second or third year curriculum for students with permission and teacher signature only. The students who are enrolled in this class will study a wide variety of topics which include but are not limited to leadership development, public speaking, parliamentary procedure, national chapter program, agriscience research projects, FFA career development, Chapter Officer Development, community and group presentations, and agricultural communication and awareness projects. The students will be organizing personal and chapter goals to provide a quality FFA program at the local level for all FFA members of the Crater FFA chapter. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities. KCC College Credits Offered: Speech 111 w/teacher approval

INTRO TO HORTICULTURE College Credits Available (BIS)

Trimester Prerequisite: Introduction to Ag Science This course introduces students to horticulture science through plant growth and function principles, identification of common greenhouse plants, propagation techniques, and safe work practices. Students will be able to identify and recognize plant functions and structures. Students will participate in poinsettia production and in the annual poinsettia sale. Instruction will take place in the classroom and in the greenhouse.

VETERINARY SURGICAL SCIENCE College Credit Available (BIS)**

This course is designed to develop students' understanding of the veterinary industry, animal norms, animal behavior, common veterinary practices, veterinary surgical practices, animal breeds, parasites, veterinary tools, and veterinary and animal health careers. Career exploration will focus on veterinarians, veterinary technicians, and animal nutritionists. Opportunities are provided for students to participate in FFA and supervised agricultural experience activities.

VETERINARY MEDICAL SCIENCE College Credit Available**

This course is designed to develop students' understanding of the large animal industry, animal, anatomy and physiology, animal nutrition, animal reproduction, animal behavior, animal ethics and welfare issues, animal health, and veterinary medicine. Career exploration will focus on veterinarians, veterinary technicians, and animal nutritionists. Opportunities are provided for students to participate in FFA and supervised agricultural experience activities.

***Students who take all three trimester courses (Animal Science, Vet Medical, & Vet Surgical) and pass with a B or better, can qualify for KCC college credit. KCC prefers that students earning college credit be 16 years of age or older.*

HORTICULTURE & PLANT SCIENCE Prerequisite: Intro to Horticulture

This is a laboratory-oriented course that introduces students to the various technical areas of the horticulture industry and prepares the students to perform horticulture-related skills. Subject matter areas include greenhouses and nursery crop production and landscaping. The course also includes information on career opportunities. This course will help students meet standards in reading. Offered in the spring. (BIS)

Anatomy & Physiology 3 Trimesters Long Grades 10-12 3 Science Credits

Prerequisite: C or better in Biology or Principal Approval

The Anatomy/Physiology course studies the human body systems in more detail and depth than the regular biology course. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (nervous, cardiovascular, respiratory, digestive, urinary, reproductive, and others) and participate in various labs and dissections. Students can sign up to earn 4 college credits from KCC (BIO 103/L Biolog III and lab). (T1 and T2 taught in CAHPS; T3 taught in BIS.)

AP US Government and Politics Year-Long Grades 10-12 2 Elective Credits

Study the key concepts and institutions of the political system and culture of the United States. You'll read, analyze, and discuss the U.S. Constitution and other documents as well as complete a research or applied civics project. Skills you'll learn: connecting political concepts to real-life situations, explaining the impact and implications of certain U.S. Supreme Court decisions, analyzing data to find patterns and trends and draw conclusions, reading and analyzing text and visual sources, and developing a claim or thesis and supporting it in an essay. College Credits Offered based on successful completion of the AP test. (BIS)

Sports PE Trimester-Long Grades 9-12 1 PE Credit

Students participating on a Crater athletic team can earn a PE credit. To get the credit, coaches must contact the office when their season is complete to notify the SSC that the student successfully completed a minimum of 65 hours of practice and games. (CAHPS, CRA, BIS)

General Psychology Trimester-Long Grades 10-12 1 Elective Credit

This course is designed to introduce students to psychology and the "whys" of behavior. Topics to be studied will be motivation and emotion, social psychology (group behavior), cultural diversity, learning and memory, sleep and dreams, personality and psychological disorders. Students taking this course can earn social science credit for credit recovery, if needed. AP Psychology will be offered 2023-24. (CAHPS)

History Through Film 1 Trimester-Long Grade 9-12 1 Elective Credit

Learn about history through watching it in this course that uses movies to explore and develop a deeper understanding of historical events. (BIS)

Intro to Computer Programming Year-Long Grade 11-12 1 CTA Credit

This course will introduce students to the basic principles of C/C++. Students will learn new concepts by solving problems. This course teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills. Students will also learn the basics of circuits, Arduinos, and basic electronics. (BIS)

Advanced Computer Programming Trimester-Long Grade 11-12 1 CTA Credit

Course Prerequisite: Must be enrolled in Algebra II or higher

This course will introduce students to more advanced principles of C/C++. Students will learn new concepts by solving problems. This course teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem solving skills. Students will also learn advanced circuits building and the basics of embedded systems with Arduinos. (BIS)

Photoshop/Digital Photography Trimester-Long Grades 9-12 1 CTA or Elective Credit

Students will learn the basics of digital photography, composition, and manipulation of images while using Adobe Photoshop. The course emphasizes exposure control, digital management, image editing, printing and presentation. Examines important photographic themes, lighting, and composition. Use Photoshop in acquiring, preparing, manipulating, storing, outputting and/or uploading and displaying digital images. Students can sign up for 4 college credits through KCC (MMT 240/L Digital Photography and Photoshop). Students can also earn a Digital Media Design/Multimedia Design Career Pathway Certificate from Klamath Community College, by completing a four class series of electives. By taking these classes you get experience using industry standard software before you graduate! (CAHPS)

Introduction to Law Trimester-Long Grades 9-12 1 Elective Credit

This class is designed to introduce students into the field of law. Fundamentals of law (both national and international), case studies and application of law will be emphasized. There will be a heavy focus on class discussions and projects with public speaking and research skills. (CAHPS)

Medical Terminology Trimester-Long Grades 10-12 1 CTA or Elective Credits

This course will provide students with foundational knowledge needed in the medical field. Students will learn common prefixes, suffixes, and word roots as well as abbreviations. Students will be able to define directional terms and anatomic planes of the body, and identify selected body systems structures. This course is for students interested in going into any medical profession or health care system. Students can sign up for 3 college credits through KCC (MDA 101 Medical Terminology I). (CAHPS)

Intro to Health Careers Trimester-Long Grades 10-12 1 CTA or Elective Credits

Healthcare is the largest and fastest-growing industry in the United States. In the Health Sciences Career Area, you can prepare for a career that promotes health, wellness, and diagnosis, and treats injuries and diseases. Some careers involve working directly with people, while others involve research into diseases or collecting and formatting data and information. You can work in hospitals, medical or dental offices, laboratories, communities, medevac units, sports arenas, or cruise ships. (CAHPS)

Mock Trial Class/Team 1 Trimester Grades 9-12 1 Elective Credit

This class is designed to educate and train students for the regional and state Mock Trial competitions. The class will research relevant cases and prepare to relate to regional/state cases. Public speaking, research and problem solving will be emphasized. Students who take this class need to be aware that time outside of the normal school day will be required. All students need to be aware that they will be required to be present and participate in the regional and state Mock Trial competitions. May be taken more than once for credit. (CAHPS)

Engineering Term Offered: 1 Credit: 1.00

In this fabrication class, you will learn how to solve design challenges through Engineering and the Design Thinking process. You will research, design, make, evaluate and present a number of creative projects. Aside from being creative and making products, you will also learn one or more of the following skills: 3d & 2d CAD (computer-aided-design), laser cutting, CNC work, woodworking tools, and machines.

Furniture Design Term Offered: 3 Credit: 1.00

Learn the fundamentals of being a furniture designer. In this class, you will follow the Design Thinking process to research, design, make, evaluate and present a product of your own. You will have the opportunity to digitally design a product, then laser cut your design with our C02 laser machine.

Design Competition Term Offered: 3 Credit: 1.00

Design and make real-life products for local companies! In this class, you will follow the Design Thinking process to research, design, make, evaluate and present a specific product. Past projects include: 'Design a promotional item from recycled wood for an artisan market in Ashland'; 'Design a calming ambient light for a local coffee shop', and: 'Design your own laser cutting lesson for Thingyverse.com.

Digital Photography Term Offered: 1, 2, 3 Credit: 1.00

Digital Photography is an introduction to the digital device as an art-making tool at the beginning level. The course will use digital photography to help students understand and apply the principles of design. Students will extend their knowledge and skills in the field of photography using industry standard tools such as PS/Lightroom. Digital Photography will familiarize the student with digital photographic equipment and creative processes. Topics will include: *Flash Modes, ISO settings, Fine Art Photography, White Balance, Drive Modes, Lens Focal Length, Depth of Field, Macro Photography, Studio vs Field, Landscape, Action sharp Photography, SpFx images using fog or boca*. Students create their own digital platform as a place to exhibit their portfolio of work.

Medical Terminology Term Offered: 2 Credit: 1.00

This course will provide students with foundational knowledge needed in the medical field. Students will learn common prefixes, suffixes, and word roots as well as abbreviations. Students will be able to define directional terms and anatomic planes of the body, and identify selected body systems structures. This course is for students interested in going into any medical profession or health care system.

Sports Marketing Term Offered: 3 Credit: 1.00

This introductory course helps students develop an extensive understanding of marketing concepts and theories that apply to sports. Areas covered in this course include: the basics of marketing, target marketing and segmentation, sponsorship, event marketing, promotion..

Digital Game Development Term Offered: 3 Credit: 1.00

Learn how to make high quality 2D and 3D video games using Unity. Students will learn game development design principles and practices. Learn how to create, acquire, modify and integrate assets such as sounds, music and 3D models all while learning how to build interactive 3D worlds.

Floral Design Term Offered: 2, 3 Credit: 1.00

This introductory floral design class teaches students basic design principles, such as balance, proportion and harmony, while familiarizing them with the material and tools of floral design. Students explore the color wheel and discover color schemes while learning to identify and care for flowers. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities.

Creative CAD Term Offered: 2 Credit: 1.00

Fusion 360 is a powerful and creative 3d modeling program. Learn how to visualize your design ideas in 3d using your computer skills. Fusion 360 is one of the industry-leading 3d software programs, and once you've picked up the basics, you'll be drawing architectural drawings, machine parts, and 3d printable products in no time!

Yearbook Trimester Grade 11-12 1 CTA or Elective Credit

Have a part in creating the Crater Nation, our yearbook! In Yearbook, students will work as part of a team learning about photography, writing and what it takes to create an interesting and capturing chronicle of our year here at Crater. Whether you're interested in shooting photos on the sidelines at homecoming or using those photos to tell a story on a page, we welcome you to join our team. (BIS)

