

2023-2024 Course Descriptions



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.

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

CAHPS Humanities

Language Arts requirements for graduation—8 credits

Social science requirements for graduation—6 credits

College bound/NCAA recommendation—8+ credits in Social Science and English

TIESS (Team Integrated English and Social Science)

Year Long

Grades 9, 10

2 English Credits & 2 Social Science Credits

TIESS is a looped, two-subject humanities series taught by an English and social science teacher. Whatever the students are learning about in their social science class, they are also researching, reading and writing about in their English class. The content studied is organized into thematic units that explore key issues, both historical and current, in world and US history including: The American Dream; Business, Government & Society; The Role of a Citizen; The Nature of War; and Social Justice. Students focus on meeting standards in reading, writing, speaking, and the social sciences while engaging in various high-interest projects and activities. A special focus is placed on making students proficient writers in both English and social science content areas by the end of the two-year program. During the spring of the sophomore year, students will have an opportunity to expand their studies from the class in an optional culminating trip to Washington DC and New York.

Sophomore Honors English Option

Trimester 3

Grade 10

0.67 English Credits

Course Prerequisite: Instructor Approval

This course will substitute for the third term of sophomore English. Sophomores who plan to take AP Literature or AP Language starting junior year must take this course.

Junior/Senior English

Year Long

Grades 11, 12

2 English Credits

This blended course combines 11th and 12th grade students with curriculum that alternates yearly. One year students will study selected works by authors from across the globe. They will bolster their knowledge and use of literary devices and elements to improve their skills in literary critique and analysis. Students will refine and expand their abilities in narrative, expository writing, and argumentative writing. The next year students will study selected works of American writers, both contemporary and classic literature. They improve their skills in literary critique and analysis. Major emphasis on writing (creative, narrative, argumentative, and research writing) and public speaking (including debates, Socratic seminars, philosophical chairs discussions, and formal and informal presentations) will prepare students for post-secondary education.

AP English Literature & Composition Offered 2023-24

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Year Long Grades 11, 12 2 English Credits (*College Credit Available*)

This blended course, designed for seniors with a strong interest and ability in literature and writing, includes college-level activities in reading, writing, note-taking and discussion. Students enrolled should have superior abilities in these areas, as well as the ability to work independently on long-range projects and the ability to handle a heavy work load. Opportunities exist for the students to earn college credit through one of two options: the College Board's AP Exam or by paying for Advanced Southern Credit through Southern Oregon University. Students who sign up for the college credits through SOU will earn a total of eight credits (Eng 104 and Eng 105 Introduction to Literature).

NOTE: **There is a summer assignment for all students taking AP Literature.** Students can choose either *Their Eyes Were Watching God* by Zora Neale Hurston or *True Grit* by Charles Portis. You will need to keep a reading journal and write an essay. More information to come once forecasting is complete. Make sure to check your school email over the summer.

AP English Language & Composition *Offered Again 2024-25*

Year Long Grades 11, 12 2 English Credits (*College Credit Available*)

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. This course is open to juniors and seniors in CAHPS who are willing to commit to a rigorous course (2-5 hours per week of reading and writing outside of class). Students have the opportunity to earn college credit through the College Board's AP Exam or through Southern Oregon University's Advanced Southern Credit program (4 credits for WR 121 and 4 credits for WR 122).

NOTE: **There is a summer assignment for all students taking AP Language.** Students must read *Outliers* by Malcolm Gladwell, keep a journal, and write an essay. More information to come once forecasting is complete. Make sure to check your school email over the summer.

11/12 Seminar

Trimesters 1 & 3 Grades 11, 12 1 Elective Credit & 1 Social Science Credit

This is a **required two trimester class that students take in 11th and 12th grades**. Over the course of two years students will earn two social science credits and two elective credits.

Social Science Credit: One year the course will meet state standards for Economics/Financial Literacy. In this portion of the class, students will learn the basic principles of economics and utilize them to analyze real-world situations. The next year the class will meet state standards for Government. In this portion of the course, students will compare different forms of government and focus on the workings of American government at the federal, state, and local levels. Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, environment, government issues and global discourse. This course uses newspapers, student news broadcasts, online media, cartoons, and op-ed pieces, and podcasts to support class discussion. Additionally, students participate in group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Elective Credit: 11/12 Seminar will focus on college and career readiness and will support students as they identify their “next steps” following high school completion and prepare for a successful transition into a 2-year or 4-year college or university, career, apprenticeship, the workforce, or the military. This seminar class will help students understand the educational opportunities and alternatives available to them, identify and plan for postsecondary entrance requirements, skill requirements, scholarships, financial aid information, advanced placement options, tech prep opportunities, workforce options and training requirements, etc. The Seminar course includes a junior job shadowing and career interview project, the senior internship experience, and a yearly culminating CAHPStone Project for both 11th and 12th grade students. These culminating projects will require students to apply the skills they have learned in high school to design and complete a hands-on community service/service learning project that will benefit those in our community.

TWI | Two-Way Immersion Program

Freshman TWI Block

Yearlong Grade 9 6 Credits (2 Language Arts, 2 Social Science, 2 CTA/Elective)

This two period block class is for our Advanced Spanish students with strong skills in listening, speaking, reading, and writing (most often from our TWI middle school track). Taught exclusively in Spanish, this course explores half of the Spanish-speaking countries of the world across four of the seven continents. Students study everything from geography, governmental systems, and ancient cultures to the dance, music, food, and traditions of today in each country. Students write essays, give presentations, cook traditional foods, work with elementary students in internships, read about current events, and engage in debates on hot topics. Students will learn, practice and refine Spanish language arts skills such as analysis of literary and non-fiction texts, academic and creative writing, as well as rhetoric and critical thinking skills needed for argument and discussion.

Sophomore TWI Block

Yearlong Grade 10 3 Credits (2 CTA and 1 Elective)

In sophomore year, our TWI students take a one period course all year called Technical Spanish Language Studies and TWI Outdoor Ed. This course is for Advanced Spanish students with strong skills in listening, speaking, reading, and writing. Taught exclusively in Spanish, this course allows for the maintenance of Spanish language skills while students work to design a bilingual outdoor experience for our D6 fifth graders. Students will research recipes, games, team-building activities, and lessons pertaining to local biomes and then design activities to showcase their research. This class is focused on experiential learning so students should be prepared to play the games, cook the food, and try different teambuilding activities.

Junior TWI Block

Yearlong Grades 11 6 Credits (2 Language Arts, 2 Social Science, 2 CTA/Elective)

The Junior TWI Block is a two-period block class taught exclusively in Spanish and explores the other half of the Spanish-speaking countries of the world across four of the seven continents. This course is for Advanced Spanish students with strong skills in listening, speaking, reading, and writing. Students study everything from geography, governmental systems, and ancient cultures to the dance, music, food, and traditions of today in each country. Students write essays, give presentations, cook traditional foods, work with elementary students in internships,

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Crater Academy of Health & Public Service Course Descriptions

read about current events, and engage in debates on hot topics. Students will learn, practice and refine Spanish language arts skills such as analysis of literary and non-fiction texts, academic and creative writing, as well as rhetoric and critical thinking skills needed for argument and discussion. This class also focuses on preparing students for the Seal of Biliteracy exam.

Senior TWI Block

Yearlong Grades 12 3 Credits (2 CTA and 1 Elective)

Social Science Electives

Introduction to Law

1 Trimester 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)

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)

General Psychology

1 Trimester 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. AP Psychology will be offered 2023-24. (CAHPS)

AP Psychology (Offered 2023-2024)

Year Long Grades 10-12 2 Elective Credits (8 College Credit Available)

Course offerings are subject to change based on student interest and staffing.

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This course is equivalent to a college-level introductory psychology course. Students in this course are eligible to purchase up to eight college credits from SOU (PSY 201 and PSY 202) or take the Advanced Placement Psychology exam in the spring through College Board. This course is designed for students who have a strong interest in understanding the motivations, challenges, and experiences of human thought and behavior. Students who take this class will be prepared to think critically, understand and implement scientific methods, and examine the reasons for everyday psychological phenomena. Topics covered include: historical and scientific foundations of psychology, neuroanatomy, genetic influence on behavior, the physiology of sensation and perception, factors that shape states of consciousness, cognitive processes, the functions of memory, methods of human learning, motivation and emotions, development over the lifespan, theories of personality, clinical explanations for disorders, and the social and cultural factors that shape human behavior. Students who pass the class may also earn Health 2 credit if needed. Students may earn 8 Advanced College credits from SOU (PSY 201 and PSY 202 General Psychology). *The class is offered on alternating years. (CAHPS)

AP US History (Offered 2024-25 in CAHPS)

Year Long

Grades 11, 12

2 Elective Credits (8 College Credit Available)

This course is equivalent to a college-level introductory United States History course. Students in this course are eligible to purchase up to eight college credits from Southern Oregon University (HST 250 and HST 251) or take the Advanced Placement U.S. History exam in the spring through College Board. This course allows learners to explore the full range of historical events, movements, and people who have shaped the United States at the national, state, and local level. Students move through a chronological history of the nation beginning in 1491, prior to the arrival of European explorers, and will progress through the current era. Over the year, students will analyze multiple aspects of U.S. history, including: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America and the world; American and regional culture; and social structures. To understand our history as it unfolded, students will interpret primary and secondary-source materials, including: journals, letters, transcripts, news publications, photos and paintings, political cartoons, video footage, audio recordings, and interviews. Students may earn 8 Advanced College credits from SOU (HST 250 and HST 251). *The class is offered on alternating years. (CAHPS)

Health & PE Electives

Health requirements for graduation—2 credits

PE requirements for graduation--2 credits

First Aid/CPR

1 Trimester

Grades 9-12

1 CTA or Elective Credit (College Credit Available)

The Heartsaver First Aid portion of this course will train students in basic first aid techniques. They will learn to assess and treat injuries and conditions caused by accidents, disasters and other medical emergencies. Students will also learn to recognize the signs and symptoms of heart, breathing and sudden health problems. These skills will be of use at work, in sports, at home and wherever the students may be, for themselves and for others. Basic CPR techniques and artificial ventilation will be practiced on mannequins. Assessment, bandaging, and splinting will be practiced on fellow students. The CPR portion of the course is officially called Basic Life Support (BLS) for Healthcare Providers. It provides advanced CPR training beyond the basic CPR techniques taught in the Heartsaver First Aid class. BLS teaches one- and two-person CPR for adults, children, and infants. It also addresses choking-related emergencies and the use of Automated External Defibrillators (AEDs). Students can sign up for 3 college credits through KCC (Hea 252 First Aid Basics & Beyond). (CAHPS)

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Medical Terminology

1 Trimester 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)

Introduction to Health Careers

1 Trimester Grades 9-12 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, medivac units, sports arenas, or cruise ships.

The focus of this course is to introduce Health Careers to students and will include basic medical terminology, an introduction to anatomy and the human body, an introduction to HIPPA and ethical practices essential in a healthcare workplace, healthcare guest speakers, and an emphasis on career exploration and the programs of study needed to start working in the healthcare field. This is a great introductory course for students interested in taking Medical Terminology, Anatomy/Physiology, and CPR/First Aid while in CAHPS. (CAHPS)

Core Fitness

1 Trimester Grades 9-12 1 PE or Elective Credit

This class is designed to introduce students to basics of weight training, core strength training, and form running and conditioning. Class emphasis is on a healthy life-style and proper fundamental techniques in lifting and spotting. Activities include core strength training, weight-lifting, flexibility and plyometrics. Skills are applicable to both male and female athletes. This course is also recommended for athletes who cannot, or prefer not to, take Early Bird Strength & Speed. ***The Early Bird Core Fitness class is primarily designed for Crater athletes working to improve performance.** (BIS)

Physical Education

1 Trimester Grades 9-12 1 PE or Elective Credit

The physical education classes in CAHPS focus on participation in competitive game activities. Activities offered are ultimate Frisbee, indoor and outdoor soccer, flag football, various kick-ball games, dodgeball, badminton, volleyball, basketball, mat-games, etc. This class stresses team-work and a competitive atmosphere. (CAHPS, CRA, BIS)

Body Toning

1 Trimester Grades 9-12 1 PE or Elective Credit

Course offerings are subject to change based on student interest and staffing.

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This class will focus on using stretching, free weights, core strengthening, walking/running and yoga to assist students in finding life-long fitness. Students will focus on an individual fitness program and will work at their own pace to increase their physical fitness. Students will be expected to improve on their fitness by pushing their fitness ability on a daily basis. This class is a non-game playing class. (CAHPS)

Wellness

1 Trimester Grades 9-12 1 PE or Elective Credit

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. (CRA)

Fit for Life

1 Trimester Grades 9-12 1 PE or Elective Credit

Enjoy basic physical activity in this course such as walking and other lifetime fitness activities. (CRA)

Science

Science requirements for graduation—6 credits

College bound/NCAA recommendation—8+ credits to include Chemistry & Physics

Although not required, it is recommended that college-oriented students, especially those planning on a Bachelor of Science degree, take Physics and Chemistry in addition to the required classes of Physical Science and Biology. **Click [HERE](#) for more information about our science offerings!**

Physical Science

Year Long Grade 9 2 Science Credits

Physical Science is a lab-based introduction to the non-living sciences such as chemistry and physics as well as earth and space science. Areas of study include: scientific inquiry and the discoveries of famous physical scientists; matter, chemical reactions and the periodic table; energy, forces, and the electromagnetic spectrum; plate tectonics and natural disasters; as well as our solar system and the universe. Second trimester culminates with the GIZMO project, in which groups of students research and explore specific physical science topics through the design and construction of hands-on, interactive displays that teach selected science concepts to visiting elementary students. (CAHPS)

Biology

2 Trimesters Grade 10 2 Science Credits (*College Credit Available*)

This required laboratory-based science class investigates the characteristics, organization, function and interrelationships of living cells and organisms. Topics of study include biochemistry, cell structure, and function,

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Crater Academy of Health & Public Service Course Descriptions

photosynthesis, genetics, biotechnology, natural selection, classification and ecology. Students will participate in Socratic seminars discussing the future of genetics, with topics such as “designer babies” and “human cloning.” Students will be evaluated through written tests, lab reports, homework assignments, and class work. Students can sign up to earn 8 college credits through KCC (BIO 101 & BIO 102 Biology I/Lab and Biology II/Lab). (CAHPS)

Chemistry *(Offered 2023-24 in CAHPS)*

Year Long Grades 10-12 2 Science Credits *(College Credit Available)*

Prerequisite: Currently taking/passing Algebra II

Chemistry is the study of the composition, structure, and properties of matter and the changes it undergoes. The course is laboratory based, and many chemical reactions are explored. Special consideration is given to human impacts and the chemistry of our environment. Skills taught include measurement and units, observation, data presentation, scientific inquiry, laboratory techniques, drawing conclusions, and group work. The Chemistry curriculum is designed to provide students with the skills and knowledge to be successful in higher education and a variety of workplaces. Students can sign up to earn 10 college credits through KCC (CHE 104/L and CHE 105/L General Chemistry I and II with lab). (CAHPS)

**For the 2022-23 school year, Chemistry will be offered in BIS and CRA only. CAHPS will offer it again during the 2023-24 school year.

Physics *(Offered 2024-25 in CAHPS)*

Year Long Grades 10-12 2 Science Credits *(College Credit Available)*

Prerequisite: Currently taking/passing Algebra II

Physics is a conceptual and mathematical study of the physical world around us. Topics covered include motion, mechanics, electro-magnetism, thermodynamics and modern physics. Skills taught include measurement and units, observation, data presentation, scientific inquiry, laboratory techniques, and drawing conclusions. This class is designed for students who want a solid foundation in Physics and for students planning to study science, mathematics, or technology in college. Students can sign up to earn 10 college credits through KCC (PHY 201/L and PHY 202/L General Physics I and II with lab). (CAHPS)

Forensic Science

1 Trimester Grades 9-12 1 Science Credits

Forensic science will enable the student to describe the relationship of forensics to law enforcement and the courtroom. Students will know and be able to evaluate certain types of evidence in court proceedings, explain the steps for thoroughly recording the crime scene and describe the proper procedures for conducting a systematic search of a crime scene for physical evidence. Students will study the work of various forensics pioneers and the development of technology relevant to forensics. Students will be able to evaluate the nature of forensics both with and without these technologies. Students will study how these technologies influenced the outcome of specific high interest court cases. Students will also study specific details of the analysis of fingerprints, blood, dentition, bones, DNA, trace evidence and ballistics. Students will be exposed to the use of injury analysis, body

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Crater Academy of Health & Public Service Course Descriptions

decompositions, and forensic anthropological techniques to determine the gender, age, and time of death of body remains. (CAHPS)

Botany

1 Trimester Grades 9-12 1 Science Credit

Botany is a branch of Biology, and is the scientific study of all plant life and development. Botany covers a wide range of scientific disciplines that studies lower plants, higher plants, algae, and fungi including: structure, growth, reproduction, metabolism, development, and diseases. Students will also learn plant identification and taxonomy, and will make a large collection of local plants. (CAHPS)

Anatomy & Physiology

3 Trimesters Grades 10-12 3 Science Credits (*College Credit Available*)

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 Biology III and lab). (CAHPS)

Marine Biology

1 Trimester Grades 10-12 1 Science Credit

Prerequisite: C or better in Biology or Principal Approval

Marine biology is a life-science course that explores the science of the oceans and the organisms living in it. You will learn about the chemical and physical properties of seawater, a survey of the organisms of the sea, the structure and function of marine ecosystems and explore human impact on the world's oceans. The course will include hands-on laboratory experiments, including dissections, and one or more field trips to the coast. Offered alternating years, rotating with Zoology. (CAHPS)

Vertebrate Zoology

1 Trimester Grades 10-12 1 Science Credit

Prerequisite: C or better in Biology or Principal approval

This course covers the major groups of vertebrates (fish, amphibians, reptiles, birds, and mammals) 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 multiple animal dissections.(CAHPS)

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Invertebrate Zoology

1 Trimester

Grades 10-12

1 Science Credit

Prerequisite: C or better in Biology or Principal approval

This course covers the major groups of vertebrates (fish, amphibians, reptiles, birds, and mammals) 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 multiple animal dissections. (CAHPS)

Mathematics

Math requirements for graduation—6 credits

College bound/NCAA recommendation—8+ credits of math.

Most 4-year colleges require a C or better in Algebra II and beyond for admission.

Math I

Yearlong

Grade 9

2 Math Credits

Math I is the beginning course of high school mathematics. Classes below Math I cannot count as math credits for graduation unless a student is on a modified diploma. Students will explore real numbers in terms of variable expressions and equations. Algebraic concepts and skills are emphasized with practical applications included. Successful completion of this course prepares students for Math II, Ma

th III and Pre-Calculus while helping students prepare for college entrance and state exams. (CAHPS)

Math II

Yearlong

Grades 10-11

2 Math Credits

Prerequisite: Successful completion of Math I in high school or middle school

In Math II, students will learn to solve a variety of problems related to points, lines segments, rays, lines, angles, planes, the coordinate plane, triangles, quadrilaterals, polygons, circles, and three dimensional solids. Problems related to these objects may involve measurement, computation, algebraic equation writing and solving, or compass constructions. Students often complete hands-on activities involving measuring, folding, and compass construction in order to discover concepts. Students must master established proficiencies to earn a grade in this course. Applications of mathematics, an elective, with an emphasis on geometry will be imbedded in this course. (CAHPS)

Math III

Yearlong

Grades 11-12

2 Math Credits

Prerequisite: Successful completion of Math I and Math II

Course offerings are subject to change based on student interest and staffing.

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Math III is the second year of beginning algebra. This class will study, in more depth, the topics of Math I, as well as new material involving quadratics and other polynomial functions. This is a proficiency based class and all must be met to move on to the next class. Applications of mathematics, an elective, with an emphasis on probability as it relates to game and financial theory is imbedded in this class as well. Algebra II will help you prepare for taking the SAT and /or ACT tests. This classes is a requirement for entrance in a 4-year college and will prepare you for higher math classes such as pre-calculus. (CAHPS)

Pre-Calculus

Yearlong Grades 11-12 2 Math Credits (*College Credit Available*)

Prerequisite: Successful completion of MathIII

The purpose of this course is to prepare students for Advance Placement Calculus or a college calculus course. The course includes an in-depth analysis of graphing polynomials and problem solving involving logarithmic and exponential functions. A thorough study of trigonometry is provided, using both degree and radian measures. Students also work with polar coordinates, conic sections, vectors, and determinants. This course concludes with a brief introduction to calculus. Successful completion of this course prepares students for AP Calculus while helping students prepare for college and entrance state exams. Students can earn 8 college credits by signing up for RCC credits (MTH 111 College Algebra and MTH 112 Elementary Functions). (CAHPS)

AP Calculus

Yearlong Grade 12 2 Math Credits (*College Credit Available*)

Prerequisite: Successful completion of Pre Calculus

Explore the concepts, methods, and applications of differential and integral calculus. You will work to understand the theoretical basis and solve problems by applying your knowledge and skills. The primary purpose of this course is to equip the advanced math student with the proper skills necessary for future college level math courses. In addition, the student has the opportunity to gain 10 college credits in calculus by buying Advanced Credits from Southern Oregon University (MTH 251 and MTH 252 Calculus I and II) or taking the Advanced Placement Calculus exam in the spring. (BIS)

AP Statistics

Yearlong Grade 12 2 Math Credits (*College Credit Available*)

Prerequisite: C or better in Math III

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students have the opportunity to gain 4 college credits by buying Advanced Credits from Southern Oregon University (MTH 243 Probability and Statistics) or taking the Advanced Placement Statistics exam in the spring. (BIS)

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Statistics & Probability

Yearlong Grade 11 or 12 2 Math Credits

This course is an introductory statistics course. No AP or college credit is available; however, this course does meet math requirements for graduation. (CRA)

Business Consumer Math

Yearlong Grade 11 or 12 2 Math Credits

In this course, students will learn practical applications of mathematical skills such as buying a car, home

Photoshop/Digital Photography I/II

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

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)

e, and insurance; budgeting; bank services; and savings and investing. This course meets state graduation requirements for mathematics. This course is not accepted as a NCAA math credit. Please note: Math III is a requirement for admission to a four-year college/university. If you take this course in place of Math III, you must attend a community college before applying for admission to a four-year college. (CRA)

Career, Technical, Arts Electives

CTA requirements for graduation—6 credits

Students participating in FFA must take two approved Ag classes per year.

**More options can be found in the All Access Electives section of this document.*

Photoshop/Digital Photography I/II

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

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

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completing a four class series of electives. By taking these classes you get experience using industry standard software before you graduate! (CAHPS)

Digital Drawing/Adobe Illustrator

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

In this introductory Adobe Illustrator course you'll learn how to use Adobe Illustrator to create high-quality illustrations, logos, and other custom artwork. This class is for anyone who would like to understand the workspace, tools, and drawing features that are available in Adobe Illustrator. Students can sign up for 4 college credits through KCC (MMT 239/L Digital Drawing/Adobe Illustrator and Lab). 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)

Digital Game Development

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

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 while learning how to build interactive 3D worlds. Students can get four college credits through KCC (CIS 211/L Digital Game Development 2 and Lab). 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. Taking these classes gives you experience using industry-standard software before you graduate! (CAHPS)

Graphic Design for the Web

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

This digital design course enables students to create web-based graphics and media. Primary software programs include Adobe Illustrator and Photoshop. Students build skills that are specific for business marketing and digital communications, create digital art assets such as logos, buttons, headers, splash screens, and develop editing techniques for vector graphics, bitmap images, and photos. Students can sign up for 4 college credits through KCC (MMT 241/L Graphic Design for the Web and Lab). 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)

Video Production I

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

Introduces digital video production, with a focus on the fundamentals of project planning, basic camera functions, shooting techniques, lighting principles, and audio recording fundamentals. Students create and produce a variety of short form video projects and learn to edit and apply effects in Adobe After Effects and Premiere Pro. Students can sign up for 4 college credits through KCC (MMT 260/L Video Production I and Lab). Students can also earn a

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

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)

Video Production II

1 Trimester Grades 9-12 1 CTA or Elective Credit (*College Credit Available*)

Prerequisite: Successful completion of Video Production I

Continues video production at an intermediate level and includes creation in multiple genres of short-form videos. While applying storytelling and narrative techniques, students create and produce one-on-one interviews, product demos, how-to videos, YouTube videos, webcam videos, and creative storytelling videos. Production equipment used includes digital cameras, lighting, microphones, backdrops. Students will apply multiple editing techniques in After Effects and Premiere Pro. Students can sign up for 4 college credits through KCC (MMT 261/L Video Production II and Lab). 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 Agriculture

1 Trimester Grades 9-12 1 CTA or Elective Credit

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 project. This course provides an introduction to mass communication in agriculture and its history, including its role in society and natural sciences. FFA participants are strongly encouraged to take this course freshman year. Team taught by CAHPS and BIS instructors.(CAHPS)

Welding 101

1 Trimester Grades 10-12 1 CTA or Elective Credit (*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. Students can sign up to earn 3 college credits from RCC (WLD 101 Welding Fundamentals I). (CAHPS)

Welding 201/301

1 Trimester Grades 10-12 1 CTA or Elective Credit (*College Credit Available*)

Prerequisite: Successful completion of Welding 101

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

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

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. Students can sign up to earn 3 college credits from RCC (WLD 102 Welding Fundamentals II). (CAHPS)

Metal Fabrication

1 Trimester Grades 10-12 1 CTA or Elective Credit

Prerequisite: Successful completion of Welding 101 & 102

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. (CAHPS)

Construction Technology I and II

1 Trimester Grades 9-12 1 CTA or Elective 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)

Power Technology

1 Trimester Grades 9-12 1 CTA or Elective Credit

This 50% theory, 50% lab course introduces students to the principles of the internal combustion engine. Students develop skills in mechanics, problem solving, and proper assembly techniques by performing numerous lab experiences as well as rebuilding a four-stroke engine. Students are encouraged to bring small engines from home to work on. (CAHPS)

AG Mechanics

1 Trimester Grades 9-12 1 CTA or Elective Credit

This course introduces advanced mechanical theory and skills to students. Instruction includes safety and selection of hand and power tools, electrical wiring techniques and practices, operation and use of advanced agriculture machinery, building and fence materials, concrete materials, hot and cold metal working tools, and maintenance of water filtration systems. (CAHPS)

Agricultural Facilities Management

1 Trimester Grades 10-12 1 CTA or Elective Credit

In this course, students will study and review many different agriculture facilities focusing on improving or rebuilding sites with or without funds. Students will make goals for areas and facilities and organize and prioritize their needs. Students will utilize skills in communication, public relations, plant production, animal care

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

and handling, mechanical, and construction at agriculture facilities. Facilities used include the classroom, the greenhouse, and the Land Lab.

Deaf/HH Resource Center

Yearlong Grades 9, 10, 11, 12 1 Elective Credit

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.

Special Options--Cooperative Work Experience

1 Trimester Grade 12 1 CTA or Elective Credit

Cooperative Work Experience offers credit for seniors who work a minimum of 65 hours a week at an approved job site and who complete the required tasks assigned to them by the teacher. The goals of the course include assisting students in acquiring an improved understanding of their abilities, interests and educational/career aspirations; to provide students with opportunities for applying the basic skills of reading, writing, and computation in any occupational field; and to develop skills, habits, and attitudes conducive to job success and personal growth. High school credit will be awarded for the program. Credit will be assigned on a PASS/NO PASS basis. Students must remain at their worksite for a minimum of 60 hours, and the job must pay with payroll taxes deducted, and include a payment receipt or pay stub which will be provided to the school counselor at least monthly. All students must complete the application and send it with a resume to the office to be enrolled in the class. Students must also complete CWE Evaluation Forms during the term. Students may not be self-employed or an independent contractor. Students cannot be employed as babysitters, housekeepers, newspaper carriers/deliverers, street vendors, or door-to-door salespersons.

World Languages

World Languages count as CTA credits. CTA requirements for graduation—6 credits

**More options can be found in the All Access Electives section of this document.*

The Spanish program in CAHPS is a hands-on, kinesthetic, immersion classroom where students will build community by learning and using Spanish. Spanish language skills are built through positive, interactive, and communicative activities 100% in Spanish.

Spanish I

Yearlong Grade 9-12 2 CTA or Elective Credit

In Spanish 1, students will gain vocabulary and acquire language skills to communicate on topics of self, family, friends, and school. Students will learn to interact in the target language and build skills and basic vocabulary,

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

while learning about Latin American culture and traditions. By the end of the third trimester of Spanish 1, students should be at a "Novice Mid" or "Novice High" Spanish proficiency level.

Spanish II

Yearlong Grade 10-12 2 CTA or Elective Credit

Prerequisite: Successful completion of Spanish I or permission from instructor

As in Spanish 1, language skills are built through positive, interactive, and communicative activities that are 100% in Spanish. Students will build on vocabulary acquired in Spanish I and acquire language skills to communicate on topics of school, community, culture, and current events. Students will interact in the target language and build skills to infer through misunderstandings and build basic vocabulary, while learning about Latin American culture and traditions. By the end of the third trimester of Spanish II, students should be at a "Novice High" or "Intermediate Low" proficiency level.

Spanish III & IV

Yearlong Grade 11-12 2 CTA or Elective Credit

Prerequisite: Successful completion of Spanish II or permission from instructor

At the more advanced levels, students will have higher demand on content and proficiency and be working towards increasing their quantity, variety, and quality of Spanish language skills. At the Spanish 3 and 4 levels, students will continue to build conversation skills to be able to communicate about world topics, express their opinions, discuss, and present. The classroom continues to be student-centered where the learners are the creators, doers, and teachers. Emphasis is placed on developing 21st century skills such as collaboration and cross-cultural skills in the modes of communication, practices, and perspectives. Spanish 3 students are expected to reach the Intermediate Low or Intermediate Mid proficiency level by the end of their third trimester. Spanish 4 students are expected to reach the Intermediate Mid proficiency level. All students in advanced Spanish will have the opportunity to gain college credits through KCC.

CAHPS General Electives

Elective requirements for graduation—12 credits

Once you have met the graduation requirements for a subject,
all further classes in that subject are counted as Elective Credits.

**More options can be found in the All Access Electives section of this document.*

EB Leadership

****New Course****

Yearlong Grades 9-12 1 Elective Credit

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Peer Teacher

1 Trimester Grades 10-12 1 CTA or Elective Credit

Prerequisite: Must be preapproved by the SSC prior to taking the class

The peer teaching program is intended to offer CAHPS upper class students the opportunity to get some real teaching experience, working closely with a CAHPS teacher mentor, assisting them with delivery of classroom instruction. CAHPS had peer teachers supporting Algebra I, Geometry, TIESS, Spanish, Steps Science Classes, AVID, and our Modified Diploma classrooms. In math classrooms, peer teachers helped develop materials for class projects and activities and assisted students in understanding math during in-class work time. In our Modified Diploma program, peer teachers have assisted in reading, writing, math and transitional skills instruction.

Teacher Assistant

1 Trimester Grades 10-12 Elective Credit

TAs support teachers in the classroom by making copies, organizing, preparing class materials, etc. Max of 2 TA credits may be earned. You must be preapproved by the SSC to be a TA.

Library Assistant

1 Trimester Grades 10-12 Elective Credit

LAs support the library by shelving books, processing new books and assisting in maintaining the library space. Max of 2 LA credits may be earned. You must be preapproved by the SSC to be an LA.

Office Assistant

1 Trimester Grades 10-12 Elective Credit

Office Assistants support the front office by running passes, making copies, organizing and preparing materials, etc. Max of 2 OA credits may be earned. You must be preapproved by the SSC to be a OA.

Blended Learning Lab (BLL)

1 Trimester Grades 9-12 Not for Credit

This course is designed to provide students a space to complete online course work for credit recovery, online original credits, or online college credits. Students may take the class as a study hall period provided they use the time productively and follow classroom rules and expectations. No credit is awarded for this class. The only way to earn credit in BLL is by completing an online course by the end of the term.

Course offerings are subject to change based on student interest and staffing.

All Campus Electives

Elective requirements for graduation—12 credits

Once you have met the graduation requirements for a subject, all further classes in that subject are counted as Elective Credits.

Introduction to Healthcare CTE Program

****New Courses****

Yearlong Grade 9-10 2 Science Credits and 1 Elective Credit

This is a three-course (yearlong) set of classes designed to introduce you to the field of healthcare.

T1--Introduction to Anatomy (1 Science Credit). A very hands-on and interactive class where students gain an introduction to all major human organ systems using clay Maniken models. Students will build the organ systems on the manikens while learning the general organ system function.

T2--Introduction to Health Sciences (1 Elective Credit). This class is the application of science to health-related topics. Some of these topics include factors that affect human wellbeing such as, blood borne pathogens, infection control, and basic virology.

T3--Nutrition and Wellness (1 Science Credit).

*These classes are a prerequisite for Advanced Healthcare Exploration courses.

AP US History **BIS Class

Yearlong Grade 10-12 1 Elective Credit Per Term

Study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments. Skills you'll learn: evaluating primary and secondary sources, analyzing the claims, evidence, and reasoning you find in sources, putting historical developments in context and making connections between them, and coming up with a claim or thesis and explaining and supporting it in writing. College Credits Offered: HST250, HST 251 Prerequisite(s): Equivalent to a two-semester introductory college course in U.S. history. **(BIS)**

Physics

Yearlong Grade 10-12 1 Science Credit per term

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

This course is the study of classical physics focusing on the laws that govern our natural world. Students will apply the concepts learned in class and the laws of the physical world to solve hands-on physics related critical thinking problems. Course topics will include Motion, Forces, Energy, Momentum, Waves, Electricity, and Thermodynamics.

Mandarin I

Yearlong Grade 9-12 1 CTA or Elective Credit

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. **(CRA)**

Mandarin II

Yearlong Grade 10-12 1 CTA or Elective Credit

Prerequisite: Successful completion of Mandarin I or permission from instructor

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. **(CRA)**

Theater Arts

Yearlong Grade 9-12 2 CTA or Elective Credit

They say it takes a village to put on a play, and it's absolutely true! This course examines not just acting, but several components of theatre arts. With an emphasis on the dramaturgical lens, this course relies not only on understanding the past but also the interconnectedness of civilizations and societies throughout the timeline of

human history. As students of theatre, your charge is to critically evaluate the elements of drama in order to gain a greater understanding as to the impact drama has as well as what each production reveals about the nature of humanity and society. In our time together we will explore theatre arts through a myriad of different lenses in order to better understand the world of performing arts as well as ourselves as artists! **(CRA)**

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Theater Production

Yearlong Grade 9-12 2 CTA or Elective Credit

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

Yearlong Grade 9-12 2 CTA or Elective Credit

As technology evolves and video games become more prevalent in our society, the opportunity emerges to then use games as a way to learn more about humanity. With an emphasis on critique and analysis, in our time together we will use the works of Jane McGonigal, Anita Sarkeesian, Joseph Campbell, and more to understand the inherent literary, artistic, and cultural value of the ever-growing medium known as video games. Since its inception in the 1940s, gaming has quickly become a primary medium of storytelling in the modern age. 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 film as well as what each production reveals about the nature of humanity and society. (CRA)

Choir

Yearlong Grade 9-12 2 CTA or Elective Credit

Open to all students who wish to improve their singing skills in a choral setting. This is a performance class that gives 3-4 concerts a year. The concert choir also does community outreach performances (i.e. holiday caroling, singing at elementary schools and retirement homes). This class explores a wide range of genres and styles. Performances are mandatory. The concert choir attends festivals. (CRA)

Band--Wind Ensemble

Yearlong Grade 9-12 2 CTA or Elective Credit

Wind Ensemble can be taken by instructor approval only. It is open to students with previous experience in Band. A variety of music will be selected for performances throughout the year. Members of the Wind Ensemble are also encouraged, but not required, to participate in the Marching Band and Basketball Band. Email: bryan.burkett@district6.org for more information. (CRA)

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Early Bird Band--Jazz Ensemble

Yearlong Grade 9-12 2 CTA or Elective Credit

Jazz Ensemble can be taken by instructor approval only. Email: bryan.burkett@district6.org for more information. It is open to specific instrumentation: saxophones, trumpets, trombones, drum set, bass, guitar, piano and vocal soloists. A variety of music will be selected for performances throughout the year. (CRA)

Introduction to Guitar

Yearlong Grade 9-12 2 CTA or Elective Credit

The beginning guitar class will focus on the fundamentals of playing guitar. Students will also explore basic music theory, rhythm basics, chord shapes, tabs, and music notation. We have a limited number of loaner guitars. If you have your own, please bring it. Other class materials will be supplied. Intro to Guitar provides students individualized training in basic guitar technique, musical notation, history, and culture. This course is designed to develop skills both individually and in small groups. Students can explore repertoire from different cultures and historical periods as they learn note-reading basics and performance techniques. A command of the essential 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 experience playing the Guitar to enroll in Intro to Guitar. (CRA)

Intro to Beginning Piano

Yearlong Grade 9-12 2 CTA or Elective Credit

Beginning Piano provides students with individualized training in basic piano technique, musical notation, history, and culture. 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 needs no prior experience playing the piano to enroll in Beginning Piano. Providing your own keyboard is encouraged but not required.

Introduction to Ukulele

Yearlong Grade 9-12 2 CTA or Elective Credit

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 Ukuele 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. Students will 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 need no prior experience playing the piano to enroll in Introduction to Ukulele.

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Engineering

1 Trimester Grade 9-12 1 CTA or Elective Credit

T1--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.

Creative CAD (Computer-Aided-Design)

1 Trimester Grade 9-12 1 CTA or Elective Credit

T2--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!

Furniture Design

1 Trimester Grade 9-12 1 CTA or Elective Credit

T3--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 your own product. You will have the opportunity to design a product digitally, then laser cut your design with our C02 laser machine.

Design Competition

1 Trimester Grade 9-12 1 CTA or Elective Credit

T3--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 laser cutting lesson for Thingyverse.com.'

AP Studio Art

Yearlong Grade 11-12 1 CTA or Elective Credit

Course Prerequisite: Art 3 or instructor's approval

Develop your 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion illustration, collage, and others. You'll create artwork that reflects your own ideas and skills and what you've learned. College Credits Offered: AP portfolio dependent. (CRA)

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

Art

Yearlong Grades 9-12 1 CTA or Elective Credit

This introductory course provides 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 develop an ongoing digital portfolio that archives and tracks their artistic growth through the art program. (CRA)

Sports Marketing

****New Course****

1 Trimester Grades 9-12 1 Elective Credit

T3--This introductory course helps students develop an extensive understanding of marketing concepts and theories that apply to sports, entertainment and business. Areas covered in this course include: the basics of marketing, target marketing and segmentation, sponsorship, event marketing, promotion and marketing plans.

Intro to Computer Programming

Yearlong Grade 9-12 1 CTA or Elective 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)

AP Computer Programming

Yearlong Grade 10-12 1 CTA or Elective Credit

Course Prerequisite: Must be enrolled in Math III 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)

Yearbook

1 Trimester Grade 9-12 0.5 CTA or Elective Credit

****Must complete the application and be approved before adding the class.** 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

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

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)

Introduction to Agricultural Science

1 Trimester Grade 9-12 1 CTA or Elective Credit

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. (Team Taught by CAHPS and BIS)

Introduction to Horticulture

1 Trimester Grade 9-12 1 CTA or Elective Credit (*College Credits Available*)

T1--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. (BIS)

Horticulture and Plant Science

1 Trimester Grade 9-12 1 CTA or Elective Credit

Prerequisite Course: Introduction to Horticulture

T2--This course introduces students to intermediate principles of horticulture and plant production. Major areas of instruction will include: plant propagation methods, horticulture careers, plant and seed morphology, soil types, organic and conventional methods in horticulture, pest and disease management, and agricultural and ornamental crop production and care. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities. KCC College Credits Offered however, Intro. to Horticulture must also be taken to receive college credit. (BIS)

Horticulture Plant Production

1 Trimester Grade 9-12 1 CTA or Elective Credit

Prerequisite Course: Introduction to Horticulture

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

T3--This class will allow you to develop skills in the greenhouse production industry. You will be able to demonstrate seed propagation techniques, asexual propagation techniques, plant identification, fertilizer application methods, integrated pest management, proper transplanting techniques, and identify marketing strategies. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities. KCC College Credits are offered; however, Intro. to Horticulture must also be taken to receive college credit. (BIS)

Floral Design *Offered again 2024-25*

1 Trimester Grade 9-12 1 CTA or Elective Credit

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. (BIS)

Animal Science

1 Trimester Grade 9-12 1 CTA or Elective Credit

Prerequisite Courses: Introduction to Agriculture

T1--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)

Veterinary Medical Science

1 Trimester Grade 9-12 1 CTA or Elective Credit

T2--Students participating in the Veterinary Science course will experience hands-on activities, projects, and problems. While surveying the opportunities available in the veterinary science industry, students learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Students will explore topics such as animal care and management, biosecurity, terminology, and reproduction. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities. (BIS)

Veterinary Surgical Science

1 Trimester Grade 9-12 1 CTA or Elective Credit

T3--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,

Course offerings are subject to change based on student interest and staffing.

Crater Academy of Health & Public Service Course Descriptions

and animal nutritionists. Opportunities are provided for students to participate in FFA and supervised agricultural experience (SAE) activities. (BIS)

AG Leadership

Offered again 2024-25

1 Trimester

Grade 11-12

1 CTA or Elective Credit

Course Prerequisite: Teacher approval needed jim.miller@district6.org or kristin.kostman@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.