

# CAHPS Course Descriptions

## 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.

### Physical Science

**2 Trimesters**

**Grade 9**

**Science Credit**

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. The 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.

### Biology

**2 Trimesters** **Grade 10** (or by teacher recommendation)

**Science Credit**

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, 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.

### Marine Biology

**1 Trimester**

**Grades 10, 11, 12**

**Science/Elective 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.

### Vertebrate Zoology

**1 Trimester**

**Grades 10, 11, 12**

**Science/Elective 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.

### Invertebrate Zoology

**1 Trimester**

**Grades 10, 11, 12**

**Science/Elective Credit**

Prerequisite: C or better in Biology or Principal approval

Invertebrate Zoology covers the study of animals, with a focus on invertebrate animals (animals without backbones). This course provides an introduction to animal classification, anatomy, physiology, ecology, and behavior. Special topics will include entomology (the study of insects), animal survival strategies and animal reproduction. Students will participate in numerous dissections. There will be multiple field trips for the purposes of collecting insects for the spring insect collection project. Offered alternating years, rotating with Marine Biology.

## **Forensic Science**

**1 Trimester**

**Grades 9-12**

**Science/Elective Credit**

Prerequisite: C or better in at least one high school science class

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

## **Environmental Science**

**1 Trimester**

**Grades 9-12**

**Science/Elective Credit**

Environmental Science is the study of the interconnections in the natural world and involves a number of disciplines including Earth Science, Geology, Chemistry, Biology, and Ecology. Students will be taught and encouraged to think systematically while considering their personal role in environmental issues. Skills taught include measurement and units, observation, data presentation, scientific inquiry, laboratory techniques, drawing conclusions, and group work. The Environmental Science curriculum is designed to provide students with the skills and knowledge to be successful in higher education and a variety of workplaces. This class will include field trips and field investigation components.

## **Mathematics**

The CAHPS math team uses a proficiency-based math system in all classes except AP Calculus. At the Algebra 1, Geometry, Algebra 2 & Pre-Calculus levels, CAHPS math teachers have identified the most essential skills and content that students must have a basic mastery of because they are foundation blocks for understanding the next level(s) of math and they are needed to pass the state math standards test. The CAHPS team is using a proficiency-based approach because it:

- 1) Supports current research regarding student learning
- 2) Allows for different rates of learning but supports all students achieving proficiency
- 3) Gives detailed information that a student excels or needs to improve

## **Algebra I**

**Year Long**

**Grades 9-11**

**Math Credit**

Algebra I is the beginning course of high school mathematics. 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 Geometry, Algebra II and Pre-Calculus while helping students prepare for college entrance and state exams. All Algebra I students will take Bridge to Algebra 1 in T1.

## **Geometry**

**Year Long**

**Grades 9-11**

**Math Credit**

In Geometry, 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 the geometry will be embedded in this course. All Geometry students will take Bridge to Geometry in T1.

## **Algebra II Year Long**

**Grades 10-12**

**Math Credit**

Prerequisite: Geometry

Algebra II is the second year of beginning algebra. This class will study, in more depth, the topics of Algebra 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 the game and financial theory is embedded 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. All Algebra II students will take Bridge to Algebra II during T1.

## **English**

**TIESS** (Team Integrated English and Social Science)

**Year Long**

**Grades 9, 10**

**Periods 1/2 or 4/5**

**English & Social Studies Credits**

The content studied is organized into thematic units that explore key issues, both historical and current, in world and US history. 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. Freshman Focus (an elective) and Health 1 will be part of Freshman TIESS block. Sophomore TIESS block will include Exploring the Health & Public Service Fields (elective).

## **Physical Education**

(PE Classes may be taken more than once for credit)

### **Core Fitness**

**1 Trimester**

**Grades 9-12**

**PE 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 lifestyle 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 class can be taken more than once.

### **Physical Education**

**1 Trimester**

**Grades 9-12**

**PE 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, dodge ball, badminton, volleyball, basketball, mat-games, etc. This class stresses team-work and a competitive atmosphere. The class can be taken more than once.

### **Body Toning**

**Trimester**

**Grades 9-12**

**PE Credit**

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. The class can be taken more than once.

# Academic Support Classes

## Math Lab / CRR

1 Trimester

Grades 9 – 12

Elective Credit

Prerequisite: Teacher approval

This course is designed to support students who have not met state benchmarks in math and reading, which is a requirement for high school graduation. This course uses small class sizes and individual attention to help teachers assess, and students' self-assess, individual strengths and weaknesses. Participating students earn one elective credit.

## Health

### Health I

1 Trimester

Grade 9 (Also Grades 10-12 as needed)

Health Credit

Health 1 (Physical Health) focuses on the important changes students will be facing transitioning into high school. Students will learn about their own personal health; how to manage their time, stress, good decision-making skills, and reinforce the "think twice" campaign with social media. Health 1 will guide students into developing good nutritional habits and maintaining appropriate personalized fitness levels to fit their own needs. This course will stress the importance of prevention and will bring awareness about the dangers of drugs and alcohol; MADD

## Public Service-Themed Electives

### Nutrition and Fitness

1 Trimester

Grades 9-12

CTA Credit/Elective Credit

This course is designed to take the concepts learned about nutrition and apply them to the improvement of your personal fitness. Students will have the opportunity to mentor elementary students and share their experience of nutrition and fitness. Class activities will include an in-depth study of nutrition, guest speakers, body compositions, and monitoring fitness levels. Activities will include hiking, biking, aerobics, weight-lifting, and other lifetime activities. Becoming healthier, happier, and self-confident will be the result of this course.

### First Aid

1 Trimester

Grades 9–12

CTA Credit/KCC Credit

**First Aid/CPR is a class divided into the following two portions:**

#### First Aid Portion

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.

#### CPR Portion

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 earning an A or B in First Aid will be eligible for credits at KCC through the College Now program.

## Introduction to Law

1 Trimester

Grades 9-12

Elective Credit

This T1 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. This class is designed as a prerequisite for Mock Trial.

## Mock Trial

1 Trimester

Grades 9-12

Elective Credit

Prerequisite: C or better in Introduction to Law or instructor permission

This T2 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. Students can take this course more than once.

## General Psychology

1 Trimester

Grades 9-12

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. This class is for elective credit. *Offered next T3 2021.*

## General Electives

### Art I

1 Trimester

Grades 9-12

CTA Credit/Elective Credit

Art will focus on drawing skills and basic fundamentals of art. A multi-media art class will expose students to a wide range of art projects using a variety of art materials. Projects include drawing & design, painting & color theory using a variety of materials such as pencil, pen, charcoal, pastels, markers, colored pencils, paint, watercolor, and recycled materials. Assignments may include logo design portfolio, still life with multiple art materials, movable 'famous' paintings, Northwestern Indian linoleum printing, and geometric color wheel designs.

### Art II

1 Trimester

Grades 9-12

CTA Credit/Elective Credit

Art will focus on drawing skills and basic fundamentals of art. A multi-media art class will expose students to a wide range of art projects using a variety of art materials. Projects include drawing & design, painting & color theory using a variety of materials such as pencil, pen, charcoal, pastels, markers, colored pencils, paint, watercolor, and recycled materials. Assignments may include logo design portfolio, still life with multiple art materials, movable 'famous' paintings, Northwestern Indian linoleum printing, and geometric color wheel designs.

## Functional Art/3-D Design

1 Trimester

Grades 9-12

CTA Credit/Elective Credit

This course is designed to build creative and artistic 3-D skills through projects that focus on functional art design rather than decorative art. Examples of projects are designing and creating a lamp, furniture, and musical instruments as well as fashion design. Projects will vary each trimester. Science, Technology, Engineering, Math, and Art.

## Introduction to the Adobe Creative Suite

1 Trimester

Grades 9-12

CTA Credit/Elective Credit

This course will introduce you to graphic design, video editing, and website design and development using the tools available in the Adobe Creative Suite. You will learn how to use **Photoshop** to create and enhance photos, illustrations, and 3D artwork; edit video; simulate real-life paintings; and more. You will also be introduced to **After Effects**, which will allow you to add animation to any idea, logo or character. Using **InDesign**, you will learn how to create beautiful documents, flyers, posters, brochures, reports, magazines, or books, for print or media, using industry-standard layouts and page designs. Creating and publishing amazing websites is a breeze with **Muse**- no coding required. Cartoons, advertisements, games, and other interactive content will come alive using Adobe Animate. Then use Character Animation to copy your facial movements to your animated cartoon or drawings, and industry's best digital audio editing software, **Adobe Audition**.

## **Digital Drawing/Adobe Illustrator**

**1 Trimester Grades 9-12**

**CTA Credit/Elective Credit**

Into the basics of digital illustration working with both vector graphics and photo editing. Create digitized graphic elements such as image header, sidebar, banner, logo, and other elements commonly used in design. Focuses mainly on Adobe Digital Illustrator.

## **Graphic Design for the Web**

**1 Trimester Grades 9-12**

**CTA Credit/Elective Credit**

Intermediate level; create web-based graphics. Use Adobe CS6 Illustrator for illustrating and Photoshop for graphics production and image editing. Create logos, buttons, headers, splash screens, infographics, vector graphics, bitmap images, and photos.

## **Introduction to the Video Design**

**1 Trimester Grades 9-12**

**CTA Credit/Elective Credit**

This course is designed to introduce students to video production, including pre-production (planning), production (capturing video outside of class and in-class using our new green screen studio), and post-production (editing, adjusting color, refining audio, etc.). In this introductory course you will learn how to use video editing programs like Adobe Premiere Pro, the industry standard in production and post-production. This is used by filmmakers, videographers, Youtubers, and more. You will also be introduced to After Effects, which will allow you to add animation. This program helps you take any idea and make it move; you can start a fire, make it rain, or animate a logo or character.

## **Programming with Pi: An introduction to the Raspberry Pi mini-computer**

**1 Trimester Grades 9-12**

**CTA Credit/Elective Credit**

This is an introductory course that explores the Raspberry Pi credit card sized computer. In this class, you will learn about programming by working with the Raspberry Pi board. You will learn how to connect accessories, navigate the software, how to program in Python, how to make music, and best of all, how to hack Minecraft! You will do programming exercises, be introduced to multiple programming languages, and build simple circuits. This class culminates with a final project that is designed by the student in partnership with the instructor. Explore the world of digital possibilities!

## **Digital Photography 1 & 2**

**1 Trimester Grades 10-12** (9th with Admin. permission)

**CTA Credit/Elective Credit**

This course will focus on basic skills and fundamentals of digital photography. Students will learn how to use digital cameras, develop an understanding of photographic composition, and learn necessary technology skills for digital cameras and for saving work, along with an understanding of Photo Elements computer program. Advanced students who show mastery of Photo Elements can choose to use Photoshop CS4. Projects include photographic elements of art, abstract faces, panoramic collage, and macro images.

## **Graphic Design**

**1 Trimester Grades 9-12**

**CTA Credit/Elective Credit**

Graphic design is a class that teaches art and technology. In this class, students will use design as a creative process in communication. Students will also explore various methods used to create and combine words, symbols, and images to create a visual representation of ideas and messages. Students will use the basic elements and principles of art and also learn how to use the computer programs Adobe Photoshop and Adobe Illustrator. This class teaches the basics of graphic design through an illustrative and corporate view.

## **Speech & Debate** *(all access 1<sup>st</sup> period)*

**1 Trimester Grades 9 – 12**

**Elective Credit**

Speech & Debate is a T1 course designed to help students develop public speaking, research, critical thinking, and analytical skills along with logic and impromptu speaking techniques to defend opposing sides of social issues. Students will be expected to spend time after school hours, in community libraries or on the internet researching for presentation and debates.

## **Chamber Choir**

**Year Long Grades 9-12** *(All Access)*

**CTA Credit/Elective Credit**

Chamber Choir is an auditioned choir for experienced singers. The Chamber Choir's repertoire is highly varied in style and genre. The group sings at concerts, luncheons, parties, and civic events. **Email:** [Catherine.barber@district6.org](mailto:Catherine.barber@district6.org) for information on auditions.

## **Concert Choir**

**Year Long**

**Grades 9-12 (All Access)**

**CTA Credit**

Concert Choir is 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.

## **Jazz Ensemble**

**Year Long**

**Grades 9-12 (All Access)**

**CTA Credit**

Jazz Ensemble can be taken by instructor approval only. 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. **Email:** [Bryan.burkett@district6.org](mailto:Bryan.burkett@district6.org) for more information.

## **Wind Ensemble**

**Year Long**

**Grades 9-12 (All Access)**

**CTA 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](mailto:Bryan.burkett@district6.org) for more information.

## **Introduction to Agriculture**

**1 Trimester**

**Grades 9-12 (All Access)**

**CTA 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 experience. This course is an introduction to mass communication in agriculture history, including its role in society and natural science.

## **Introduction to Horticulture**

**1 Trimester**

**Grades 9-12**

**CTA Credit**

This T2 course is designed to introduce students to horticultural sciences with emphasis on technical skills, entrepreneurship, and occupational opportunities. This course will help students meet requirements in reading.

## **Horticulture and Plant Production**

**1 Trimester**

**Grades 9-12**

**CTA Credit**

Prerequisite: Intro to Horticulture

This laboratory-oriented, T3 course, 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.

## **AG Power Technology**

**1 Trimester**

**Grades 9-12**

**CTA 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. This class will help students meet standards in

## **AG Mechanics**

**1 Trimester**

**Grades 10-12**

**CTA 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 and electrical systems. Students will be working with PVC, copper plumbing, and welding tools. Information on personal skill development and career exploration is included.

# World Language

## Spanish

The Spanish program at 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

**2 Trimesters**

**Grades 10-12** (*9<sup>th</sup> by permission from Admin*)

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

### Spanish II

**2 Trimesters**

**Grades 10-12** (*9<sup>th</sup> by permission from Admin*)

**CTA Credit**

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 event. 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 second trimester of Spanish II, students should be at a "Novice High" or "Intermediate Low" proficiency level.

### Spanish III (For Native Speakers)

**2 Trimesters**

**Grades 9-12**

**CTA Credit**

At the Spanish 3 and 4 levels, native speakers will learn 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 21<sup>st</sup>-century skills such as collaboration and cross-cultural skills in the modes of communication, practices, and perspectives.

## Chinese

The Chinese Program at CAHPS utilizes a hands-on, kinesthetic, interactive immersion approach.

### Chinese I

**Year Long**

**Grades 9-12** (*All access*)

**CTA Credit**

In Chinese 1, students will acquire basic Chinese language skills and vocabulary. Students will begin learning Chinese characters. Students will also learn about China and Chinese culture.

### Chinese II

**Year Long**

**Grades 9-12** (*All access*)

**CTA Credit**

In Chinese 2, students will build on skills acquired in Chinese 1. Students will increase their Chinese vocabulary, their ability to read and write Chinese characters and in their ability to speak Chinese. Students will also continue to learn about China and Chinese culture.

Course	Description	Cost
<b>Mountain Biking (PE)</b>	Students will learn the basics of mountain bike repair and maintenance along with basic riding skills and safety. The class will go on a day-long trail ride for the full day session.	
<b>Officiating (EL)</b>	Students will learn the basics of officiating football and baseball and will work on certifications that will allow them to officiate local youth sporting events. Certification in this course could lead to employment opportunities for students who are interested.	
<b>Life Skills (EL)</b>	Budgeting, understanding credit scores, changing a tire, and many other important topics will be covered in this intersession. This course is perfect for teens who want to be prepared for life after high school.	
<b>Military History (EL)</b>	Students will learn the importance of military strategy and weaponry, primarily during the 20th century. On the full day trip, students travel to Evergreen Air & Space Museum in McMinnville, OR.	
<b>Extreme Sports (PE)</b>	Students will learn about outdoor activities such as hiking, team relays, Frisbee golf, and orienteering. Orienteering is a competitive sport in which participants find their way to various checkpoints across rough country with the aid of a map and compass, the winner being the one with the lowest elapsed time.	
<b>Forest Management &amp; Wildland Firefighting (CTA)</b>	Students will learn the basics of forestry management and wildland firefighting. Guest speakers will talk to students about careers in forestry and fire fighting strategies. The full day session will be in the forest.	
<b>College &amp; The Trades (CTA)</b>	What will you do after high school? Go to college? Start a career? In this intersession you will visit college campuses to experience the size of the campus, to see where you might live, and to get a feel for the learning environment. And, unlike reading a brochure or website, you have a chance to get your admissions questions answered by college staff. You will also learn about the careers available in the trades. The trades are starving for young workers to become electricians, plumbers, millwrights, carpenters, HVAC technicians, diesel & automotive mechanics, welders, and more. Find out what it takes to join these trades and start a fulfilling career. We will visit Rogue Community College's Table Rock Campus, the Oregon Institute of Technology, and Klamath Community College. We will have guest speakers from the plumbing and electrical trades and will visit Quantum Innovations, a global manufacturing company that specializes in ophthalmic coatings.	

<p><b>Exploring Crater Lake (SCI)</b></p>	<p>In this science intersession, students will study the natural history of Crater Lake. They will learn how it formed, why it is a national park, why is it so blue, and what happened during the big eruption? Interested students must attend all sessions, be ready to get up early (7 AM) on the full day session, and be able to complete a moderately strenuous hike. Be ready to learn not just play because this is a science credit.</p>	
<p><b>Strategic Gaming (EL)</b></p>	<p>The knowledge of strong gaming strategies is the key to winning. In this class, students will learn strategies for chess other games, and will put their knowledge to use during a visit to an escape room.</p>	
<p><b>Woodworking (CTA)</b></p>	<p>Students will learn how to use power tools to construct furniture out of recycled materials. Students may work in groups or individually. This course will be taught in the new Crater Works Makerspace, across Hwy 99 from Crater.</p>	
<p><b>Careers in Sports (CTA)</b></p>	<p>Learn about the careers available in the world of sports that do not include becoming a professional athlete. On the full day intersession we will visit the Medford Rogues at Harry &amp; David Field and learn what it takes to run their program during the season.</p>	
<p><b>Academic Support (EL)</b></p>	<p>Students who need additional time to work on school projects or get caught up on assignments can attend this intersession in the Crater Library.</p>	
<p><b>Healthy Cooking (CTA)</b></p>	<p>Create interesting meals using what you have. Learn what to always keep stocked in your pantry to make things delicious and healthy. We will learn how to substitute ingredients to make our favorite meals healthier. We will also learn about making green smoothies with Juego Smoothies Food Truck. The full day will be creating &amp; providing healthy smoothies to our Crater Community during lunch.</p>	
<p><b>Digital Design (CTA)</b></p>	<p>Students will learn how to utilize digital tools to design logos and layouts for the production of t-shirts, stickers, posters and other products. All students will create a "brand" and print the brand logo on a t-shirt upon completion of the course.</p>	
<p><b>Golf (PE)</b></p>	<p>Students will learn about the fundamentals of golf, how to score, golf etiquette, history of golf, etc. Practice will occur on campus using wiffle balls or hitting into nets. The field trip will be to a local golf club. Once there, students will utilize the practice range, putting green, and chipping area, and will receive additional instruction (some from Professional golf instructors). Then students will play 9 holes on the course.</p>	
<p><b>Backpacking (PE)</b></p>	<p>This course will introduce students to the basics of backpacking including safety, planning for overnight trips, and an appreciation for Oregon's wilderness. Students will also learn some of the basic principles of wildlife biology and spend time working on a wildlife biology project. The class will go on an overnight backpacking trip for the full day session.</p>	

<p><b>Archery (PE)</b></p>	<p>Students will learn traditional archery basics such as equipment basics, safety, shot cycle, rules, history and USA Archery Regulations. They will participate in a "900 Round" mini-tournament and will travel to an outdoor 3D Archery walking course in Ashland.</p>	
<p><b>Aluminum Welding (CTA)</b></p>	<p>This Aluminum welding course will require students to have taken or be currently enrolled in Welding 201. During this Intersession, students will learn the principles and art of welding with TIG and Mig Spools guns. Each student will take home a small final aluminum project to keep and use. Due to the expense of this area, we will be charging a small lab fee of \$20 per student, which can be paid to the bookkeeper.</p>	<p>\$20</p>
<p><b>Beach Cleanup (EL)</b></p>	<p>Students will learn about the risks of ocean pollution and the importance of marine conservation. Students will spend a full day at the coast participating in a beach clean-up and meeting with 2-3 marine conservation and coastal community advocates. The coast trip will include meetings with the nonprofit Washed Ashore (and a look at their art museum) and the Circles in the Sand (labyrinth) founder Denny Dyke on utilizing art to raise awareness about ocean conservation and build community.</p>	<p>\$30</p>
<p><b>Physics of Roller Coasters (SCI)</b></p>	<p>Students will learn the following laws and concepts of physics using roller coasters: Force, Newton's Laws of Motion, Momentum, Rotational Motion, Conservation Laws of Energy and Momentum. You will learn how to apply math to solve energy, force, momentum, and rotational problems. This intersession will include a trip to Great America in Santa Clara, California. We will also attend Physics Day at Great America when the park is only open to students and teachers. Students are responsible for the costs associated with this trip and must pay the bookkeeper prior to the excursion. Students will be gone for two nights on this trip.</p>	<p>(Approximately \$120 for park tickets, food, and hotel.)</p>
<p><b>Tie Dye (EL)</b></p>	<p>Students will learn various basic tie dye designs as well as how to properly tie and dye shirts for professional looking results.</p>	
<p><b>Yoga/Pilates (PE)</b></p>	<p>This intersession will combine the love for the outdoors by hiking in various natural environments to do Yoga and Pilates (a core /strengthening/stretching workout). We will end our course by traveling to the Oregon Coast on an overnight trip.</p>	<p>\$30</p>
<p><b>Musical Improv (EL)</b></p>	<p>Do you like music? Want to learn how to jam? Pick ANY instrument - guitar, saxophone, piano, voice and join us to play some music. Amateurs and experts are welcome! The plan is to lay down some rhythms and learn how to jam over the top. Maybe we can record a song in the end.</p>	
<p><b>Contemporary Dance (PE)</b></p>	<p>Students will learn a choreographed piece and work together to choreograph their own. Full day could be a showcase or a trip to watch a performance/show or possibly bring in a guest choreographer/instructor.</p>	

<b>Hip Hop Dance (PE)</b>	Students will learn a choreographed piece and work together to choreograph their own. Full day could be a showcase or a trip to watch a performance/show or possibly bring in a guest choreographer/instructor.	
<b>Meal Prepping (EL)</b>	Winter is a time when soups and stews and crock pot meals are the best. The BBQ is covered for the winter, and there won't be many picnics going on. Meal preparation for "freezer meals" is a great skill to have and is a huge help to any family. This course will teach you how to pick out the right recipes, plan ahead, gather all needed materials, meal prep and store "freezer meals". Use of the commercial kitchen at the makers space will make for a fun and productive field trip day.	T2
<b>Marine Biology (SCI)</b>	Field trip to Newport to stay overnight at the Southbeach State campground in yurts. Activities will include a boat trip for whale watching and gathering crabs, participating in a hands-on lab at the Hatfield Marine Science center, and tide pooling at the local tide pools.	T3
<b>The Physics of Baseball (SCI)</b>	This course will take a look at the math involved in baseball. It will cover vectors and projectile motion, as well as the science behind types of pitches (curve, knuckle, sinker, cut fastball). The course will culminate in a trip to San Francisco to watch a Giants vs. Dodgers baseball game where we will apply what we have learned to the game.	
<b>Unique Tabletop Games (EL)</b>	This class will offer board and card games that students have not likely been exposed to before. Students will have an opportunity to strategize, focus, test perseverance, work in a cooperative and competitive setting all while having a blast!	
<b>Fantasy Sports (EL)</b>	Students will learn how to evaluate player performance and project future performance using historical data. Those projections will be used to draft a fantasy football team that will compete against other teams in the class. The class will have its own FFL league.	
<b>Oregon Shakespeare Festival (EL)</b>	Are you intrigued by drama? This class will take a field trip to the OSF Costume Shop in Talent to learn about costuming, props, and stage production and then on to watch a play.	
<b>Fly Fishing (EL)</b>	Learn fly-fishing techniques, fly-tying, and where to fly fish in Southern Oregon. On the full day we will go fishing!	
<b>Outdoor Survival (EL)</b>	Students in this intersession will learn how to survive in the outdoors by living off the land and creating shelter.	
<b>Wildlife Biology (EL)</b>	This is a partnership between CAHPS and Oregon Department of Fish and Wildlife or another organization. Students will learn some of the basic principles of wildlife biology and then spend a day in the field working on a wildlife biology project.	
<b>Ballroom Dance (PE)</b>	The class is designed to teach you the basic rhythms, how to lead/follow, and identify the type of dance for the music played: in short, to be able to go out on a dance floor, feel comfortable,	

	<p>have fun, and leave the dance floor without embarrassing yourself. This is not a class that teaches you choreographed routines. It will give you the building blocks for all future dance styles. This is for social enjoyment, to make you feel comfortable dancing: not perform for a score.</p> <p>The course covers foxtrot, swing/jitterbug, waltz, tango, and the steps that are the base of salsa: mambo, cha cha, and merengue. Other steps that may be briefly covered are Viennese waltz, polka, Rheinlander, and rhumba. Students will learn basic and some intermediate turns and variations, in some steps more advanced variations will be taught.</p>	
<b>Music Through The Ages (EL)</b>	<p>Students in this intersession will learn about the evolution of popular music genres, and bands from the 1950s to the chart-topping pop artists of the present. The R &amp; B and Country origins of Rock 'n Roll will be explored and students will listen to classic songs ranging from the Psychedelic Rock movement of the 60s, to the Grunge sounds of the 90s, and learn what made The Beatles the most iconic band in history.</p>	
<b>Political Engagement (EL)</b>	<p>Students will experience the important role that citizens can play in the political process through access to elected officials at the local and state level. Students will learn about the responsibilities that politicians and voters each have in making decisions for our community. Because It is always important to know where representatives stand on key issues, the full day will allow students to organize a public forum for one or more officials to discuss their ideas with the local community and to receive input from local residents.</p>	
<b>Intro to Lobbying (EL)</b>	<p>Students will learn how to reach out to elected officials in order to make change on key issues that matter to voters. Learners will practice making the "ask" to representatives and fine-tune their skills of persuasion in order to push for real action by politicians. The full day will give students the chance to travel to Salem to meet directly with state representatives, experience the political process, and explore the capital of Oregon from the perspective of a future voter.</p>	
<b>Snowshoe Soiree (PE)</b>	<p>Love the snow but don't want to pay for skiing or snowboarding? Hungry for amazingly yummy food while on the snow trail? Find out how to have both while hiking through the trees of a winter wonderland. After we learn about the equipment, clothing, local trails and precautions, we'll learn to make tasty to-go treats and snikery snickerdoodle hot chocolate. Then, we head to the snow for a snowshoe soiree. That's right - a day of hiking through powdery bliss and a mega-rad meal.</p>	

## Freshmen Forecasting 2019