

# Course Descriptions 2016-17

## ART

*Courses taken from the area of art may fulfill the fine, visual, or performing art requirement, as well as elective requirements.*

### **Survey of the Arts**

Students will be working in a variety of different mediums to fulfill the State Academic Learning Requirements in the area of visual arts. Some of the mediums include: drawing, painting, watercolor, pottery, sculpture, printmaking, collage, architectural drawing, and crafts. Emphasis will be based on using the elements of art to create artistic compositions that satisfy the state's requirements. The second component of this class will allow the students to see art through the ages and become engaged in the process of art.

### **2 Dimensional Art**

Prerequisite: Successful completion of Survey of the Arts

This is standards based course is specific designed to prepare the more advanced level student to apply art theory and concepts in the creation of art projects. It is a project based class that encourages students to explore the history of art and art making. We will use a broad array of materials from pencil, paint, and charcoal to clay, wire, and plaster. Participation will be emphasized. Prerequisite: Survey of Art or equivalent.

### **3 Dimensional Art**

Prerequisite: Successful completion of Survey of the Arts

This is standards based course is specific designed to prepare the more advanced level student to apply art theory and concepts in the creation of art projects. It is a project based class that encourages students to explore the history of art and art making. We will use a broad array of materials from pencil, paint, and charcoal to clay, wire, and plaster. Participation will be emphasized. Prerequisite: Survey of Art or equivalent.

## **BUSINESS and TECHNOLOGY EDUCATION**

*Courses taken from this area generally meet the occupational education requirement, which is fulfilled by taking one and a half credits, or three semesters of course work focusing on developing work skills. Additional classes beyond the requirements will meet elective requirements.*

### **Business Topics:**

**Intro to Marketing:** Marketing I is the foundation for all marketing courses. Students will learn basic principles that lead to careers in marketing, finance, hospitality, and management. Students will be introduced to the world of marketing including the free enterprise system. The seven core functions of marketing will be examined: Marketing Planning, Marketing-Information Management, Pricing, Product/Service Management, Promotion, Channel Management, and Selling. A central focus throughout the course will be the development of soft skills including teamwork, oral communication, written communication, decision-making, and emotional intelligence. Students should have the opportunity to participate in DECA, a student organization that prepares emerging leaders and entrepreneurs. DECA related activities and curriculum can be used as an approved part of all marketing classes

**Intro to Business:** This course helps students gain an understanding of the business/marketing principles necessary to start and operate a business. Students will first learn basic economic principles related to business ownership. They will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, determining feasibility of an idea utilizing research, developing a plan to organize and promote the business and its products/services, and finally, to understand the capital required, the return on investment desired, and the potential for profit.

**Business Law:** Students will gain an understanding of the law as it relates to them currently and the implications of the law in their future lives as well, as the lives of their family and friends. They will also work to gain an understanding of basic legal vocabulary. The course will include an understanding of the court system at the local, state, and national levels. Students will gain an understanding of contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and the regulations governing different types of business organizations. As a culminating project, students will participate in one or more mock trials.

**Accounting:** Students will develop skill beginning with an understanding of the basic elements and concepts of double-entry accounting systems. Skills will include knowledge of the accounting cycle, entering transactions in journals, posting to ledgers, compiling end-of-period worksheets, adjusting and payroll systems, and writing and communication examples. Proficiency of automated accounting procedures is encouraged.

### **IT Academy**

Microsoft IT Academy is a program designed to offer students learning solutions for IT skills training and certification as well as technology essentials for professionals. Microsoft IT Academy and its resources can help build a successful future with the skills that employers demand. Students will be prepared to take the Microsoft Office Specialist Exam.

## **Computer Programming**

An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills to beginning students through a programming language such as C++, C#, Java, Python, or VB.

## **Digital Photography**

This course will help the students become well rounded in the fundamentals of digital photography. Four areas of instruction will be emphasized: How cameras work, how composition works, how lighting works, how to use photo editing software. Students will, generally, receive basic instruction, demonstration, and see samples of the desired outcomes, at the beginning of each period. They will be allowed to go outside and shoot assignments, based on what they are learning. Perhaps the most useful part of classroom instruction will be daily reviews of photos students have shot the previous day(s). They will see what makes a successful photo and what does not.

At the end of this course, you will:

- Know how to use various features of the camera to have creative control of your photographs.
- Be able to decide what type of lighting to use in a given situation to produce optimum results.
- See how photographic composition can make or break a photograph
- Understand how to use photo editing software to improve the overall appearance of images

## **CREDIT RETRIEVAL**

When a student receives a failing grade in a class, they may be eligible to retake that course through Credit Retrieval. The failing grade will remain on the transcript and the repeated credit will be listed as Credit Retrieval.

Subjective conditions and extenuating circumstances will determine participation in Credit Retrieval. Applicants must be: In their 3rd year of HS to be eligible for Credit Retrieval

At least one credit below grade level expectation

Earning at least 1.0 credit per semester through Credit Retrieval to remain eligible to participate during the school day. It is recommended that students work on Credit Retrieval outside the regularly scheduled day to prevent falling further behind in their credits.

## **ENGLISH LANGUAGE ARTS**

*Four full credits of English are required for graduation, one of which must be taken during the senior year for college admission requirements. Courses may not be retaken for core credit without permission of the instructor. The following courses meet this requirement:*

### **Freshman English: Grammar, Composition, & Literature**

This survey course includes aspects of literature, analysis, grammar, and composition. Students will analyze short stories, poems, essays, dramas, and novels. Students will also review the parts of speech and learn to construct simple, compound, complex, and compound-complex sentences. In alignment with the CCSS, students will write narrative, informative, and argument pieces.

### **Sophomore English: Survey of Grammar, Composition & Literature**

Prerequisite: English 9

This survey of literature and composition course includes the study of various genres, including, but not limited to, short stories, poetry, drama, novels, and informational nonfiction. Students will write frequently in a variety of forms, including, but not limited to, narration, exposition, argument, and poetry, and for various purposes, including response to literature and communication with a wider audience.

### **Junior English**

Prerequisite: Eleventh Grade Standing

This survey of American literature course includes the study of a variety of readings representative of the American past as well as the present. Students will examine literature through the lens of the American Dream. Students will respond to literature through narrative, informative, and argumentative writing. In-class seminars, projects, and presentations will also be utilized throughout the course.

### **Senior English**

Prerequisite: Twelfth Grade Standing

English 12 will engage students in becoming skilled readers of advanced-level essays, fiction, poetry, and drama written in a variety of periods, disciplines, and contexts. It will also support students in becoming skilled writers who compose and speak for a variety of purposes in several forms. In alignment with the CCSS, students will write narrative, informative, and argument pieces.

### **College English A/Cornerstone English Composition 101**

Prerequisite: Eleventh or twelfth grade standing in addition to prerequisite test scores and instructor permission.

In addition to high school credit, students have the opportunity to earn 4 credits from Central Washington University. This course will engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students will become skilled writers of summary, summary-response, and analysis pieces. This is an introductory level college writing course. This class has high attendance expectations.

### **College English B/Cornerstone English Composition 102**

Prerequisite: College English A/Cornerstone English Composition 101 and instructor permission. Qualification for university credit is possible with a C- or better in Cornerstone English Composition 101. In addition to high school credit, students have the opportunity to earn 4 credits from Central Washington University. The course will engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Students will become skilled writers of analysis, synthesis, and researched argumentation. This class has high attendance expectations.

### **College English C/Cornerstone English the Literary Imagination 105**

Prerequisite: College English A/Cornerstone English Composition 101 and instructor permission.

Qualification for university credit is possible with a C- or better in Cornerstone English Composition 101. In addition to high school credit, students have the opportunity to earn 5 credits from Central Washington University. Through this course students will explore the human experience as it is imagined, interpreted, and made significant in the poetry, prose, fiction, and drama of major past and contemporary writers of the world. This course requires significant amounts of reading on the part of each student. This class has high attendance expectations.

## **FAMILY AND CONSUMER SCIENCE**

### **Consumer and Family Resources**

In Consumer and Family Resources students will learn to evaluate management practices related to the human, economic, and environmental resources. Learning activities will help students make satisfying short and long-term decisions. Standards and competencies address financial goal-setting and strategies; household income, assets, and debt management; preventing and resolving financial difficulties; housing; tenant/landlord expectations; and use of public resources.

#### **Foods I**

Foods I is designed for basic food knowledge and preparation. Students learn about kitchen safety, menu choices, food and consumerism, timing, many different dishes and their preparation, serving modes and foreign foods. Students will be able to read a menu, plan, budget, and prepare their food in an appetizing manner.

#### **Foods II**

(Prerequisite – Foods I) This is an extension of foods I. We will delve further into food preparation and work with more complex and diverse foods. An extension of menu choices, consumerism, shopping, and timing will be explored.

#### **Family Health**

Family Health is designed to provide students with the skills and knowledge necessary to make educated decisions related to health and wellness issues impacting families. The primary role is enabling students to assume an active role in developing healthy lifestyles for themselves and others. Integrating the Washington Health and Fitness essential learning's with standards and competencies from the Work and Family sections of the National Standards for Family and Consumer Sciences Education, these courses focus on the interrelationships of healthy choices and a productive, satisfying life.

## **FOREIGN LANGUAGE**

### **Spanish I**

This is an introductory language course offered to anyone interested in learning Spanish. The focus is on acquisition of the written and spoken language; therefore class attendance and participation are crucial. Some basic grammatical structures are learned, but emphasis is on vocabulary, reading, writing, speaking and listening comprehension.

### **Spanish II**

Prerequisite: Spanish I

This course continues where Spanish I left off. Emphasis is still placed on reading, writing, listening comprehension and speaking. More grammatical patterns and structures are studied and practiced. Class participation and attendance are very important. Components of history and culture are given greater emphasis, as well as an extra emphasis (toward the end of the year) on communication. The second half is taught in Spanish, as much as possible, increasing communication skills.

### **Spanish III**

Prerequisite: Spanish I and Spanish II

An emphasis is placed on reading and communication. The grammar focuses heavily on the subjunctive but includes lots of review from the previous two years. Speaking and listening in context are used more frequently.

## **INDEPENDENT STUDY**

*Students may earn a maximum of one credit of Independent Study per year.*

### **Independent Study**

Independent studies may be arranged for classes that are not offered during a regular class period or if there a scheduling conflict that cannot be resolved.

A contract must be completed by the student and supervising teacher and approved by the high school principal prior to beginning the class.

If the Independent Study is for a course not previously defined and approved, the syllabus and contract must be provided to the high school principal a minimum of two week before the beginning of the term being registered for.

Students registered for an Independent Study must be in the classroom of the supervising teacher during the period they are assigned.

## **INDUSTRIAL ARTS**

*Courses taken from the Agriculture and Industrial Arts area may meet occupational education (1 1/2 credit), fine arts, or elective credits.*

### **Mechanics and Trades - 010201**

A course that generally prepares individuals to sell, select, and service technical equipment and facilities used in many facets of environmental work. This course includes instruction in power systems; planning and selecting materials for the construction of support facilities; mechanical practices in the environment.

### **Drafting, Architectural, and CAD Design**

An Introduction to basics in Architectural, Mechanical and misc. Drafting CAD design, with the emphasis being on Architectural Design.

## **LEADERSHIP**

Students will explore major concepts in leadership, develop skills in running meetings, learn to do strategic planning, analyze the strengths and weaknesses of well-known leaders, and plan and carry out major activities around school. This class is designed for current and prospective leaders including; ASB, class, and club officers or team captains. If you are not currently an officer and would like to attend, you need instructor permission.

## **MATHEMATICS**

*The graduation requirement for mathematics is three credits. Additional coursework beyond the requirements will be added to the elective requirements. For college preparation, the student **must** take three credits of Algebra 1, Geometry, and Algebra 2 and should strongly consider Pre-Calculus. A graphic calculator, such as the TI-83, is highly recommended for all students. For the class of 2013 and beyond, students must successfully complete a full year of both Algebra I and Geometry plus a third year of either Algebra II or an approved CTE Mathematics course.*

### **Algebra 1**

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better) Algebra 1 consists of the following topics:

- Numbers, Expressions, and Operations
- Characteristics and Behaviors of Functions
- Linear Functions, Equations, and Inequalities
- Quadratic Functions and Equations
- Data and Distributions
- Exponential Functions, Arithmetic and Geometric Sequences

### **Geometry**

Prerequisite: Algebra 1

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better) Geometry includes the following topics:

- Logical Arguments and Proofs
- Lines and Angles
- Two and Three Dimensional Figures
- Geometry in the Coordinate Plane
- Geometric Transformations
- Geometry of a Circle, Changing Dimensions, and Unit Conversions

### **Advanced Algebra?**

Prerequisite: Algebra 1 and Geometry

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better)

This course is designed for seniors or juniors who have completed Algebra 1, Geometry, and have not passed the EOC math assessment. Students graduating by 2018 may take Advanced Algebra in lieu of Algebra II by permission of instructor. Students graduating 2019 or after must take Algebra 2.

## **Algebra 2**

Prerequisite: Algebra 1 and Geometry

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better) Algebra 2 is an extension of topics studied in Algebra 1. It includes the following topics:

Numbers, Expressions, and Operations  
Quadratic Functions and Equations  
Exponential and Logarithmic Functions and Equations  
Additional Functions and Equations  
Probability, Data, and Distribution  
Systems of Three Equations and Arithmetic and Geometric Series

## **Honors Algebra?**

Prerequisites:

**Pre-Calculus 153** (Available for dual credit through the CWU Cornerstone program)

Prerequisite: Successful completion of Algebra 2.

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better)

This is the subsequent course to Algebra 2 taking the ideas from that course and extending them. This course is highly recommended for those planning to attend a four-year college, and is required by some four year schools for admission. The course will cover logarithms, probability and statistics, and other advanced topics with a hands-on, real life, problem solving approach. Computer software and graphing calculators will be used extensively.

**Pre-Calculus 154** (Available for dual credit through the CWU Cornerstone program)

Prerequisite: Successful completion of Pre-Calculus 153.

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better)

This is the subsequent course to Pre-Calculus 153. This course is highly recommended for those planning to attend a four-year college, and is required by some four year schools for admission. The course will cover trigonometry and other advanced topics with a hands-on, real life, problem solving approach. Computer software and graphing calculators will be used extensively.

**Calculus 172 - Limits and Derivatives** (Available for dual credit through the CWU Cornerstone program)

Prerequisite: Successful completion of Pre-Calculus and permission by Instructor

Text: Calculus by Larson

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better)

This course is limits and derivatives in a common college first quarter calculus course or AP course. Computer software and graphing calculators will be used extensively.

**Calculus 173 - Integrals** (Available for dual credit through the CWU Cornerstone program)

Prerequisite: Successful completion of Calculus 172 and permission by Instructor

Text: Calculus by Larson

Recommended: It is desirable for the student to have a graphing calculator. (TI-83 or better)

This course studies integration methods and applications found in common college second quarter calculus courses or AP course. Computer software and graphing calculators will be used extensively.

## **MUSIC**

### **Choir**

Choir is open to all students. Members will develop in the areas of reading music, vocal technique, and singing in three or four part harmony. Students rehearse and perform various styles of music. This is a performance class with attendance required at all performances throughout the year, including:

- 1 Home Concerts (3-4)
- 2 Choir festivals and contests (1-2)
- 3 Certain community events (2-3)

### **Concert/Marching Band (Spring semester is Concert Band only)**

Concert Band is open to students with previous experience playing a band instrument. Exceptions can be made for students new to band upon meeting with the director, and agreeing to have private lessons after school. Students rehearse and perform various styles of music. They will also learn basic elements of composition, write simple pieces of music, research a musical topic in-depth, and learn how to improvise. This is a performance class with attendance required at all performances throughout the year, including:

- 1 Varsity home football games
- 2 Varsity home double-header girls and boys basketball games

- 3 Parades (2-3)
- 4 Home concerts (3-4)
- 5 Band contests and festivals (1-2)

### **Jazz Ensemble**

Jazz Ensemble is open to students who audition in June. Participation in Concert/Marching Band is required in order to be eligible for Jazz Ensemble. Students improvise and perform various styles of music with a focus on Swing, Be-Bop, Cuban, and Latin music. This is a performance class with attendance required at all performances throughout the year, including:

- 1 Varsity home football games
- 2 Varsity home double-header girls and boys basketball games
- 3 Home concerts (3-4)
- 4 Band contests and festivals (1-2)
- 5 Certain Community events (2-3)

## **PHYSICAL EDUCATION**

### **PE/Recreation**

This course will focus on the development of the five components of fitness and provide students with a broad scope and sequence of individual fitness, traditional sports and recreational activities. It will focus on the development of skills and offer a large selection of learning opportunities to become physically fit for a lifetime. Students will learn and be able to demonstrate basic skills and techniques in each unit offered. Participation, effort and sportsmanship will be emphasized. This course is designed for freshmen or the first class of PE in high school. It is a prerequisite for 2<sup>nd</sup> year PE classes.

### **Weights and Conditioning**

The course concentrates on physical fitness and conditioning. The students' introduction to weights is a concentrated effort to develop a bigger, stronger, faster body. We will alternate upper and lower body lifts throughout the week with an off day to focus on cardio and core. We will max on a cycle of core lifts and incorporate auxiliary lifts to complement them. The cycles are created to increase muscular strength in each major muscle group. This class is great for athletes that want to improve performance or any student that wants to become stronger.

This course will also have a fitness component which is a requirement of all Physical Education classes. Basic PE/Recreation is a prerequisite for this course.

### **Team Sports**

This course concentrates on improving physical fitness components through skill development and participating in different team sports. This could include, but is not limited to: volleyball, basketball, soccer, football, team handball, and baseball/softball. Participation, effort and sportsmanship will be emphasized. If you love traditional sports, this class is for you!

This course will also have a fitness component which is required for all Physical Education classes. Basic Physical Education is a prerequisite for this class.

### **Racquet Sports**

This course will concentrate on improving physical fitness components through skill development and competing in different racquet sports. This may include, but is not limited to: pickle ball, badminton, and tennis. Participation, effort and sportsmanship will be emphasized. If you want to improve your hand-eye coordination and your quickness, racquet sports could be the class for you!

This course will also have a fitness component which is a requirement of all Physical Education classes. Basic Physical Education is a prerequisite for this course.

### **Aerobics/Cardio**

This class focuses on cardiovascular wellness as well as basic muscle toning through different movement focused activities, such as, aerobic conditioning, yoga, and dance. The course will also include health relevant health topics. This class will be similar to joining a gym for fitness. Instead of paying for classes at a gym, just take this PE class. It is perfect for the student that wants to be fit and healthy, but isn't into traditional sports.

This course will also have a fitness component which is required for all Physical Education classes. Basic Physical Education is a prerequisite for this class.

### **Lifetime Fitness**

This course concentrates on improving students' physical fitness and developing students skills and passion for different fitness activities and sports. The course offers a variety of team, individual, and recreational activities that students can continue doing for the remainder of their lifetime. Participation, effort and sportsmanship are emphasized.

This course will also have a fitness component which is required for all Physical Education classes. Basic Physical Education is a prerequisite for this class.

## **PROFESSIONAL SKILLS**

*A student may earn a maximum of one credit in any of the following classes during their high school career.*

#### **Athletic Aide**

Students will work in the Athletic Director providing support in reception, filing, copying, and other duties relevant to office management skills development. References may be required.

#### **Office Skills**

Students will work in the High School office assisting staff by providing support in reception, filing, copying, and other duties relevant to office management skills development. One student per period will be enrolled. References may be required.

#### **Library Assistant**

A library assistant should be qualified to do the following: Accurately file alphabetically and numerically; check books in/out; look up books by title/author and subject; locate books on shelves; neatly and accurately shelve books; clean certain objects in the library such as dust computers, wipe off computer screens, wash/wipe off table tops, clean around computers, wipe off book shelves; decorate monthly. References may be required.

#### **Teaching Intern**

Teaching internships are arranged between the student and supervising teacher and require a teacher signature.

### **SCIENCE**

*The graduation requirements for science are two credits (three for the class of 2013 and beyond), one of which needs to be a lab class. Additional credits taken in science will be added to the elective graduation requirements.*

#### **Integrated Science– lab science**

This course introduces students to core concepts or inquiry in the physical, life, earth, space, and environmental sciences. It integrates across the disciplines in relevant contexts that explore the standards related to science in a personal and social perspective as well as in science and technology. This class is also an agriculture class, students who take it will be eligible for FFA and will learn about student involvement in agriculture.

#### **Biology - lab science**

Text: Biology: The Dynamics of Life by Glencoe Science with supplemental materials.

Prerequisite: physical science

This course is designed to be an upper level course and should be taken after environmental and physical science. Biology offers an introduction to the study of life through hands-on learning. The principles covered include local biome investigations, the chemistry of water and cells, local water issues, cellular respiration, photosynthesis, and genetics.

#### **Physics: -science or math credit**

Prerequisites: Completion of Algebra I and Geometry

Text: Modern Physics and Project Physics will be used as supplemental materials.

The physics course begins the study of mechanics, motion, waves, and electricity. In mechanics, the topics covered will include tension, forces, torque, and stress. Acceleration, velocity, and displacement, and their relationships will be explored through motion. Wave topics include water, light, radio, gravitational waves, and their characteristics. The electricity unit will focus on building basic electrical devices such as: motors, transformers, generators, speakers, etc. Extensive use of the graphing calculator and the Calculator Based Laboratory system enhance this course, as well as the heavy emphasis of hands-on learning.

#### **Chemistry – lab science**

Course Objectives: Students should attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. This college-level course place heavy emphasis on chemical calculations and the mathematical formulation of principles and intense laboratory work. The laboratory experience will be the equivalent to that of a typical college course. The following topics will be covered: Structure of Matter, States of Matter, Chemical Reactions, and Descriptive Chemistry.

#### **Natural Resources Science lab science 030101**

This course fulfills a lab science or an occupational credit. This course will focus on preparing individuals in the conservation of natural resources. Specifically individuals will plan, develop, manage, and evaluate principles to protect and regulate habitats and natural resources. Areas covered will include soil, water, air, forests, energy, minerals, metals, plant growth and development, and wildlife. In addition, the students will develop the skills to use natural resources wisely.

#### **Horticulture (Plant Science) lab science 030101**

This course fulfills a lab science or an occupational credit. Instruction may include basic plant biological functions, plant life cycles, how to grow plants, plant identification, problem solving skills, and greenhouse management.

#### **Geology**

Recommended pre-requisites: Earth Science or Physical Science; Biology, Chemistry. Geology is a science course that explores the origins and the connections between the physical, chemical, and biological processes that govern the earth system. Students explore the physical aspects of earth processes and cycles through open-ended field and laboratory investigations. Understanding the importance of these processes and how they influence humankind enables students to make sound

decisions about both their community and the earth's global environment. Embedded standards for Inquiry and Technology & Engineering are taught in the context of the content standards for Maps, Matter and Minerals, Rocks and the Rock Cycle, Geologic History, Plate Tectonics, and Landform

### **Astronomy**

In this class, we will be studying, quite literally, everything in the universe. We will start with "classical" astronomy, describing the night sky and organizing what we see as was done in ancient times. We will then embark on a journey, starting here on Earth and progressing outward, to study the Solar system, the Milky Way galaxy, and the wonderful and strange objects we observe in deep space, such as black holes, quasars, and supernovae. We will end with some discussion of what scientists know today about the universe as a whole. Along the way we will introduce some of the methods, theoretical and experimental, that have been used to understand all of this, from Newton's laws, through our understanding of light and matter, to Einstein's theory of relativity, and from Galileo's telescope to WMAP.

### **TARC**

#### **Team America Rocketry Challenge**

An extra-curricular hands-on project-based learning program, the TARC competition is modeled around the aerospace industry's design, fabrication and testing processes. All students participate in a team of 3-10 students to design, build, and fly a rocket. Like aerospace companies work within specific design parameters, every year the challenge requires teams to achieve the same basic mission-oriented goals of hitting a precise altitude, landing within a specific flight time window, and returning a raw egg ("the astronaut") without cracking.

## **SOCIAL STUDIES**

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#### **Pacific Northwest History and Geography**

This course focuses on the geology, geography, pre-history, history, and current issues facing the people of the Pacific Northwest. It emphasizes resource use and impacts of resource use in the past, present and future. While this course encompasses the entire Pacific Northwest, special emphasis will be placed on our local area. Beginning in 2016 this course will shift to the 8<sup>th</sup> grade. Only students moving here from out of state or other districts that have not taken or passed this graduation requirement will need to take the class. It will likely be offered only through PASS starting 2016-2017. 0.5 credits

#### **World History:**

**World History A**=Focuses on the geography, history, and cultures of Asia, Africa, and the Middle East up to 1492. Traditionally this course was required first semester of 10<sup>th</sup> grade, but starting in 2016-2017 it will be moved to 9<sup>th</sup> grade and will serve as our introduction to the social sciences at CERHS. 0.5 credits

**World History B**=Focuses on the geography, history, and cultures of Europe from 1400-1750 and the impacts of European imperialism around the world. Traditionally this course was required second semester of 10<sup>th</sup> grade, but starting in 2017-2018 it will be our only required sophomore social studies class. 0.5 credits

#### **United States History—"A" and "B"**

This course covers U.S. history from the post-Civil War period of reconstruction through about 2001. Students will read primary and secondary materials and take notes from lectures, presentations, discussions, and films. The class will also incorporate geography, civics, and economics into the study of historical eras and events. The state-mandated Classroom-based Assessment is embedded within the spring semester.

**U.S. A** is taught in the fall semester and covers from the post-Civil War period to the Great Depression (1865-1929). 0.5 credits

**U.S. B** is taught in the spring semester and covers from the New Deal (1932) through about 2001. 0.5 credits

**Advanced Placement US History**-This course is designed for advanced juniors. It meets the requirement for US A and B described above, but also gives students a chance to earn college credit if they pass the AP exam at the end of the course. It covers more material than the regular course (1491-Present) and is considered to be academically challenging. 1.0 credits

#### **Contemporary World Problems—"A" and "B"**

Prerequisite: Twelfth grade standing

**CWP "A"** This course attempts to culminate students' learning in various disciplines throughout their educational careers, and place them into a contemporary global context. It provides students with a set of analytical tools to help them understand the world of today and prepare them for the responsibilities of adult life as citizens in a democratic republic. Students examine some of the most significant current problems on Earth and propose solutions. Coursework will emphasize political, economic, social, and environmental problems that exist in the world today. Students will become aware and stay informed about current issues through examining and analyzing various forms of news media. Also, students will share, discuss, and present current news in the classroom setting. This course may qualify for dual credit with CWU (Cornerstone) enabling students to earn Sociology 101 college credit in 2016-2017. 0.5 credits

**CWP "B"** Senior Culminating Project guidance and support will be a major part of the CWP coursework in the second semester. Students will be led through a research, science writing, and public presentation process focused on solving a global problem of their choice. This serves as half of their Culminating Project that students will present to public evaluators in May.

Additionally, students will implement some of their action plan items for solving their world problem. Finally, students will engage in a reflection process evaluating their educational career and culminating project. 0.5 credits

### **Anthropology 107**

This course serves as an introduction to the scientific field of Anthropology and can be taken for high school credit and college credit through CWU. Anthropology can be loosely defined as the study of humans. More specifically, this course will examine the four major subfields of Anthropology, including Archaeology (looks at the physical remains of earlier peoples to draw conclusions about how they lived), Physical Anthropology (examines human diversity around the world and theories of human evolution), Linguistic Anthropology (investigates differences and similarities among the world's languages), and Cultural Anthropology (studies distinct human culture groups around the world, past and present). Additionally we will look at how the field of Anthropology can be applied to contemporary world issues in the realm of problem solving (Applied Anthropology).

### **History through Film**

This course examines different types of film productions, historic events and relevant social concepts through film, and the impact of film on American society. Documentaries, Hollywood movies, experimental, and foreign films will serve as tools for us to investigate productions designed for entertainment, education, and persuasion of a particular audience. We will research the historic context of specific films, their accuracy (or inaccuracy), their intended and underlying meanings, and human perception of media. Specifically, we will examine major topics in world and US history such as human rights, imperialism, war, as well as more contemporary issues such as globalization and poverty.

### **Debate**

This potential future social studies elective will activate social science learning through the process of debate. We will examine debate as a concept historically and today, in addition to effective debating skills. The core of the class would involve students researching controversial current national and world topics, structuring "pro" or "con" arguments on an issue, and actively debating classmates. Various debate structures will be utilized. Additionally, we will learn about debate evaluation and reflect on successes and/or struggles in this realm. 0.5 credits

## **SPECIAL EDUCATION**

### **English Level 1**

Prerequisite: students who take this must have an IEP in the area of Reading who have not passed the state grad requirements, or who have life skills qualifications take this class. We cover basic reading and writing skills and well as intensive specially designed instruction in a research based reading program.

### **English Level**

Students who have IEP, have passed the state requirement in ELA or have a core class in English. We offer repeated reads of books read, with comprehension questions that support the general education curriculum. Some specially designed instruction is offered, but not intense and regularly.

### **Math Level**

Students must have an IEP in the area of Math, must be in life skills courses, or will be taking state testing at an academically appropriate level.

### **Math Level 2**

Students must have an IEP in the area of Math, must have passed EOC's or are in Math core classes needing specially designed instruction to fill in gaps and require support in their core math class.

### **Transition**

Students with IEP's may take this class to receive assistance in any class to keep grades up in any academic class.

### **Workforce Training**

Students with IEP's who are upper class man will get jobs in areas of interest to them and receive high school graduation credits as an elective for getting career ready.

## **YEARBOOK/JOURNALISM**

### **Elective Credit**

This course focuses on publication of the both the yearbook and student published newsletters. Work outside of the school day is expected, as students will need to attend events to take pictures. Students will learn how to write like journalists, interview others, take photos, and edit photos.