

SUMMIT CHARTER COLLEGIATE ACADEMY

COURSE Description

High School 2019-20



SUMMIT CHARTER COLLEGIATE ACADEMY – HIGH SCHOOL COURSES – 2019-20

***NOTE:** University of California and California State University systems require a grade of “C” or better in college preparatory courses. Through this catalogue an asterisk (*) indicates the course meets UC/CSU requirements. A Course with a + (Plus) indicates a course graded on the 5 point scale (Honors).

LANGUAGE ARTS DEPARTMENT

***ENGLISH 9 – 9th Grade**

(Year Course)

An introduction to American, British, and world literature that will span across genres with the goal of instilling a love of reading and a true understanding of the link between literature and Social Studies. Real world experiences will be utilized as students mature their writing skills to a high school level. The patterns of famous writers will be studied by the students as they progress and practice writing narratives, persuasive essays, and responses to literature. Students will learn from the writings of authors from antiquity to contemporary writing.

***+ENGLISH 9H – 9th Grade**

(Year Course)

Pre-requisites: Standard Met on CAASPP, 8th Grade grades, teacher recommendation.

College Preparatory course designed to prepare students for advanced coursework. The course is similar to English 9 above, but will require significant additional reading, writing, speaking and analysis.

***ENGLISH 10 – 10th Grade**

(Year Course)

Pre-requisites: English 9

This course will serve to help students become lifelong readers by identifying genres and authors that inspire them, placing excellent literature in students' hands and giving them time to read it. Additionally, students will study literature in small groups and engage with classic texts related to their World History curriculum as they grow as readers. Students will grow as speakers, participating in regular collegial, earnest, and amicable discussions and debates. Students will learn to write in numerous styles for numerous purposes, learning from teacher models and mentor texts to refine and mix narrative, informative, and argumentative writing to accomplish real-world tasks.

***+ENGLISH 10H – 10th Grade**

(Year Course)

Pre-requisites: Standard Met on CAASPP. C or better English 9H or B or better in English 9 and 9th Grade teacher recommendation.

College Preparatory course designed to prepare students for college and advanced coursework. The course is similar to English 10, but will challenge students to read, write, speak and analyze at a deeper level than their peers in general sections.

***ENGLISH 11 – 11th Grade**

(Year Course)

Pre-requisites: English 10

This course focuses on American Literature and introduces students to various genres of literature, a myriad of writing styles, and opportunities to develop skills in listening, speaking, and viewing different forms of multimedia. American Literature and Composition is a study of the major literary topics and themes across the history of the United States from pre-colonial times to present day. Students will focus on the major literary forms of the emerging nation, analyze the literary themes and trends, and research and compose several papers, speeches, and presentations using representative forms of discourse.

***+ENGLISH 11H – 11th Grade**

(Year Course)

Pre-requisites: Standard Met on CAASPP C or better English 10H or B or better in English 10 and 10th Grade teacher recommendation.

Advanced College Preparatory course designed to prepare students for college/advanced coursework. The course is similar to English 11, but will require significant additional reading, writing, speaking and analysis.

ENGLISH 12 – 12th Grade*(Year Course)****Pre-requisites- English 11**

A focus on British Literature. Students will use the experiences of fictional and non-fiction characters to assess experiences in their own lives. Through careful analyses of protagonists and antagonists, themes and motifs, and conflicts and resolutions, students can be sure to gain an appreciation and deep understanding of the texts as well as a broader perspective on the world of literature. The emphasis for the course will be on class discussions, for such discourses drive both our interest and desire for self-improvement. Secondly, this course will involve improving writing through the study of grammar, advanced writing strategies, and self- and peer-revisions. In an effort to gain an appreciation for the world of fictional literature, themes and topics will involve rich, in-depth exploration via discussions of characters, character developments, conflicts, resolutions, and text-to-self/text-to-society connections.

+ENGLISH 12H – 12th Grade*(Year Course)****Pre-requisites: Standard Met on CAASPP. C or better English 11H or B or better in English 11 and 11th Grade teacher recommendation.**

Advanced College Preparatory course designed to prepare students for college/advanced coursework. The course is similar to English 12, but will require significant additional reading, writing, speaking and analysis.

MATHEMATICS DEPARTMENT***Integrated Math 1 – 9th – 12th Grades****(Year Course)**

The fundamental purpose of the Mathematics I course is to formalize and extend the mathematics that students learned in the middle grades. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Some standards are repeated in multiple higher mathematics courses.

Instruction will focus on 6 critical areas:

1. extend understanding of numerical manipulation to algebraic manipulation;
2. synthesize understanding of function;
3. deepen and extend understanding of linear relationships;
4. apply linear models to data that exhibit a linear trend;
5. establish criteria for congruence based on rigid motions; and
6. apply the Pythagorean Theorem to the coordinate plane.

Integrated Math 2 – 9th – 12th Grades*(Year Course)****Prerequisite: Completion of Integrated Math 1 with a Grade of C or better in both semesters and for 9th Grade must have recommendation of 8th grade math teacher.**

The focus of the Mathematics II course is on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability.

Instruction will focus on 5 critical areas:

1. extend the laws of exponents to rational exponents
2. compare key characteristics of quadratic functions with those of linear and exponential functions
3. create and solve equations and inequalities involving linear, exponential, and quadratic expressions
4. extend work with probability
5. establish criteria for similarity of triangles based on dilations and proportional reasoning.

Integrated Math 3 – 10th, 11th, and 12th Grades (Year Course)*Prerequisite: Grade of C or better in both semesters in Integrated Math 1 and 2**

It is in the Mathematics III course that students integrate and apply the mathematics they have learned from their earlier courses. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Some standards are repeated in multiple higher mathematics

courses; therefore instructional notes, which appear in brackets, indicate what is appropriate for study in this particular course.

Instruction will focus on the following 4 critical areas:

1. Relate statistics to different data types
2. The similarities between polynomials and integers
3. Understand and derive the Law of Sines and Cosines
4. Extend their work with functions and their representations.

***AP Statistics – 11th, and 12th Grades** **(Year Course)**

Prerequisite: Grade of C or better in both semesters in Integrated Math 1 and 2 and must have recommendation of most recent math teacher.

***A grade of C in both semester of Integrated Math 3 OR Concurrent enrollment in Integrated Math 3 is required**

The **AP Statistics course** is equivalent to a one-semester, introductory, non-calculus-based college **course** in **statistics**. The **course** introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

***AP Calculus – 11th, and 12th Grades** **(Year Course)**

Prerequisite: Grade of C or better in both semesters in Integrated Math 1, 2 and 3 and must have recommendation of most recent math teacher.

This course will prepare students for the AP Calculus AB test in May. Additionally, it will introduce students to the increasing rigor of advanced mathematics as well as the richness and beauty of mathematics. Calculus is a widely applied across technical fields from science, engineering, finance, and computer programming among a short list of applicable topics. We will study the concepts of limits, continuity, differentiation, integration, and differential equations.

SOCIAL SCIENCE DEPARTMENT

***WORLD HISTORY – 10th Grade** **(Year Course)**

Course Description: Students in grade ten study major turning points that shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. . Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand historical events from a variety of perspectives.

***U.S. HISTORY -- 11th Grade** **(Year Course)**

Students in U.S. History after Reconstruction will be first focusing on the Constitution of America and its foundations in History. We will then focus in on the events that lead up to the twentieth century, America's foundation as a world power, the role America took in World War One and Two, the Great Depression, and other major events of the 20th Century. We will also examine the role of the political turmoil in the 1960's and how that changed the view of people towards their government. Finally, we will look at the Cold War as a catalyst for America's relationship with countries in the Middle East.

***AMERICAN GOVERNMENT – 12th Grade** **(Semester Course)**

Students in the American Government class will learn about the inner workings of the American governmental system. The students will be learning about the origins of government, the forms of government, and the Constitution of the United States. Then we will look through the Federal Government, the State Governments, the County Government, and even to the city government. The students answer questions on current political issues, debate the issues, learn about how the government works, and find out what their role in the government is as citizens. We will try to understand what the rule of Law is by examining different types of laws, and the foundations for laws.

ECONOMICS – 12th Grade*(Semester Course)**

Students in Economics will learn the basic terms and names that have created the Economic system we have in America. Students will understand how the Government and Economy work together. Students will also learn how to use the Economic terms in the world around them. They will learn how to use the stock market and invest in companies that will succeed. Also, the students will know how to use weekly budgets to help them in their lives going forward. Also, students will learn the basics of Economics that will help them get a job and earn a living in the world around them.

SCIENCE DEPARTMENT***ANATOMY- 10TH-11TH Grade****Prerequisite: Biology**

Human Anatomy and Physiology is an advanced course that is an elective designed for those students wanting a deeper understanding of the structure and function of the human body. The body will be viewed as a whole using anatomical terminology necessary to describe location. Focus will be at both micro and macro levels reviewing cellular functions, biochemistry, tissue interactions, organ systems and the interaction of those systems as it relates to the human organism. Systems covered include integumentary, skeletal, muscular, respiratory, circulatory, digestive, excretory, reproductive immunological, nervous and endocrine. This course will provide the study of the structure and function of the human body and the mechanisms for maintaining homeostasis within it.

BIOLOGY – 10th – 12th Grades*(Year Course)****Fulfills Life Science Requirement**

Biology is a study of the structure and function of living organisms, their problems and their ecology. Course content includes micro-biology, the biology of cells, anatomy, physiology, ecology and evolution. The course is primarily lab oriented and includes dissection. This course is considered an introductory lab science and will provide the necessary background for the further study of science, as well as most careers in the physical or biological sciences.

CHEMISTRY – 10th, 11th, and 12th Grades*(Year Course)****Prerequisite: Biology and Integrated Math 1 with a Grade of C or Better.****Fulfills Physical Science Requirement**

Students explore the fundamental principles of chemistry which characterize the properties of matter and how it reacts. Computer-based and traditional laboratory techniques are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: measurement, atomic structure, electron configuration, the periodic table bonding, gas laws, properties of liquids and solids, solutions, stoichiometry, reactions, kinetics, equilibrium, acids and bases, and nuclear chemistry. The main goal of this program is to provide a solid foundation in the study of matter and its changes. Through many activities students will demonstrate how theory is applicable in laboratory situations. All students will develop good methods of problem solving and proper laboratory technique

CALIFORNIA WILDLIFE – 11th and 12th Grade*(Year Course)****Prerequisite: Biology****Fulfills Additional Science Requirement**

A study of the native animal and plant life of California and specifically the San Joaquin Valley and neighboring foothills. Students will explore the ecological life cycle and relationships of the subject species; the history of the

**INTRODUCTION TO AGRICULTURE - 9th - 12th Grades
Course)****(Year****Fulfills Additional Science Requirement**

Introduction to Agriculture is a science class focusing on the history of agriculture, California agriculture, animal science, FFA; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory

activities are supplemented through supervised agricultural experiences and leadership programs and activities.

AGRICULTURAL BIOLOGY - 10th - 12th Grades
Course)

(Year

Fulfills Life Science or Additional Science Requirement

WORLD LANGUAGES DEPARTMENT

***SPANISH 1 – 9th – 12th Grades**

(Year Course)

Spanish I will aid the student in the acquisition of the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases and the ability to understand, read, write and speak simple Spanish. Basic relevant information is included covering geography, customs, culture of Spain and Latin America. The class will prepare students for future language study and should inspire interest in foreign travel.

***SPANISH 2 – 10th, 11th and 12th Grades**

(Year Course)

Prerequisite: Spanish 1 with a Grade of “C” or Better

Spanish II will aid the student in the continued acquisition of the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases and the ability to understand, read, write and speak Spanish concepts previously learned in Spanish I. Intermediate relevant information is included covering geography, customs, culture of Spain and Latin America. The class will prepare students for future language study and should inspire interest in foreign travel.

***SPANISH 3 – 11th and 12th Grades**

(Year Course)

Prerequisite: Spanish 2 with a Grade of “C” or Better

Spanish III will both aid and challenge the student in the continued acquisition of the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases and the ability to understand, read, write and speak Spanish concepts previously learned in Spanish II. Advanced relevant information is included covering geography, customs, culture of Spain and Latin America. The class will prepare students for future language study and should inspire interest in foreign travel.

***SPANISH PRE-AP: SPANISH LANGUAGE AND LITERATURE**
Course)

(Year

***SPANISH 4 AP – 11th and 12th Grades**

(Year Course)

Prerequisite: Spanish 3 with a Grade of C or Better

Spanish IV will both aid and challenge the student in the continued acquisition of the fundamentals of pronunciation and grammar, practical vocabulary, useful phrases and the ability to understand, read, write and speak Spanish concepts previously learned in Spanish III. Advanced relevant information is included covering geography, customs, culture of Spain and Latin America. The class will prepare students for future language study and should inspire interest in foreign travel.

***SPANISH 5 AP- 11th and 12th Grades**

(Year Course)

FINE ARTS DEPARTMENT

***ART CONCEPTS – 9th – 12th Grades**

(Year Course)

Introductory art course for High school students. The main objective of the course is that the student will be able to understand and use a variety of drawing materials, styles and techniques effectively in thoughtfully planned compositions. The student will also be introduced to historically famous artists and

will learn how to view and interpret art through a formal process of judgment and criticism. Students will explore the Elements and Principles of Design and will be required to maintain a daily sketch book/journal and be ready to present a portfolio of their work at the end of the school year showcasing their growth.

***GRAPHIC DESIGN – 10th, 11th and 12th Grades**

(Year Course)

In this course the basic concepts and skills of graphic design will be taught, i.e., the art of visual communication. We will deal with photography, copywriting, layout skills, and computer skills. Graphic Design is essential for successful business development.

PHOTOGRAPHY – 10th, 11th, and 12th Grades

(Semester/Enrichment Class)

This course teaches the art and concepts of Photography using the digital camera. Basic projects, which teach the elements & principles of design, photographic perception and the understanding of photographic selection and 'framing', relevant to all methods of photography, will be completed

SET DESIGN - 9th – 12th Grades

(Year Course)

This course teaches students how to visually interpret literature and plays. Students will learn how to plan, design and fully execute both small and large sets. The class requires students to be prepared for working with set tools and materials. Coveralls are recommended and closed-toe shoes are mandatory.

***VIDEO PRODUCTION - 9th – 12th Grades**

(Year Course)

Video production serves as a foundation for further exploration in digital video artwork and storytelling. Students will write, direct, act, shoot, and edit short videos, with beginning and intermediate instruction. We will cover the fundamentals of camera angles, sound, lighting, and editing, among other production issues. Students will work collaboratively within their production groups to put these techniques to use.

PERFORMING ARTS

Performing Arts students should expect rehearsals and performances occasionally to be held outside of school hours. Students are expected to perform as part of the program.

***CONCERT CHOIR – 7th to 12th Grades**

(Year Course)

A year long elective open to any student interested in group singing. Students will sing songs from various cultures, historical time periods, and genres. Students will also learn to read and write basic melodies, as well as sing in unison and harmony. Public performances are a required part of the course.

***Concert Band – 9th to 12th Grades**

(Year Course)

A year long elective open to the experienced high school musician. Students will be required to complete an audition at the beginning of the year to determine eligibility for the class. Throughout the year students will perform songs from various cultures, historical time periods, and genres. Students will further develop their instrumental techniques, music reading skills, music vocabulary, and performance techniques. Public performances are a required part of the course. Prior playing experience is required.

***ORCHESTRA – 7th to 12th Grades**

(Year Course)

A year long elective for the experienced musician. Students will perform songs from various cultures, historical time periods, and genres. Students will further develop their instrumental techniques, music reading skills, music vocabulary, and performance techniques. Public performances are a required part of the course.

GUITAR – 9th – 12th Grades

(Year Course)

Guitar is a year long elective open to any student who wants to learn how to play the guitar. Focus will be on chords, strumming, finger picking, reading music, and reading guitar tabs. Students are not required to provide their own guitar.

JAZZ BAND- 9th to 12th Grades

DRAMA – 9th -- 12th Grades

(Year Course)

This class develops the student as participant, listener, observer, and critic by having students create characters and learn to respond through improvisation to new situations and genres of music and theatre. All students are required to perform and participate in all assignments. Some of the assignments students may expect to work on are monologues, storytelling, small scenes, script writing, pantomime, improvisation, character creation, singing, and dancing. Grading will be based on daily participation, attitude responses, written assignments, and instructor performance evaluation. Everyone who takes this class will participate in a full production/performance at the end of the semester.

PHYSICAL EDUCATION DEPARTMENT

HEALTH/FITNESS – 9th Grade

(Year Course)

This is a required course for all 9th grade students

This course facilitates the physical, emotional, mental and social development of our students through team and lifetime activities. Participation in aerobics, volleyball, basketball, football, soccer, personal fitness and dance is required. Daily active participation and dressing out is required throughout the year. Written and skills test are given to assess each student's physical and mental capacities in various sport areas. This course meets the district graduation requirement for freshman physical education. Students also are required to participate in the fitnessgram. This course also incorporates a health education component, which will provide students with accurate information in which they can utilize to develop healthy attitudes and behavior patterns. Critical thinking and decision making skills are taught and practiced throughout the course as students are encouraged to recognize that they have the power to choose healthy behaviors in order to reduce risks. The topics covered may include mental health (personality, self-esteem, stress management, mental disorders, and suicide), Human growth and development (reproduction, pregnancy and birth), nutrition, fitness, substance abuse (alcohol, drugs tobacco), disease and disorders (infectious disease, AIDS, sexually transmitted diseases), personal health, personal safety and environmental health.

***+HEALTH (DUAL ENROLLMENT) 9th – 12th Grades**

(Semester Course)

P112 – HEALTH EDUCATION . . . 3 UNITS

Prerequisite: None. Recommendation: Eligible for level 1 English placement. Total lecture 54 hours. A course in health education based upon the fundamental concepts of human biology. Includes a study of diseases, sex education, drug abuse, emotional health, environmental health, nutrition, and consumer health. This course is also offered online and as a hybrid. Course is approved for pass/no pass grading option. (A/ CSU/UC) PC-Area K; CSU-E1

PE II – 10th, 11th, and 12th Grades

(Year Course)

This course facilitates the physical, emotional, mental and social development of our students through team and lifetime activities. Participation in aerobics, volleyball, basketball, football, soccer, personal fitness and dance is required. Daily active participation and dressing out is required throughout the year. Written and skills test are given to assess each student's physical and mental capacities in various sport areas. This course meets the district graduation requirement for freshman physical education.

WEIGHT LIFTING – 10th, 11th, and 12th Grades

(Year Course)

Prerequisite: Student must pass the FitnessGram test to be eligible for alternate PE courses.

Weight Training/Conditioning Education is designed for the student who enjoys physical activity and wishes to increase his/her strength and overall fitness. The student will be expected to understand and put into practice a certain level of knowledge of the body; kinesiology, exercise physiology and biomechanics. Nutrition and diet as well as the Principles of Fitness Training will be discussed and implemented through the establishment of a personalized fitness program.

TECHNOLOGY DEPARTMENT

ROBOTICS 1 & 2 – 9th – 12th Grades**(Year Course)**

Students will learn principles behind the design, control, and function of basic robotics and systems in general. Students will use various tools to learn system logic, power systems, and design, using VEX kits under the Gateway PLTW curriculum for complex programming, eventually getting into the Engineering PLTW Curriculum.

Digital Imaging 10th-12th Grades**(Year Course)**

Students will learn the elements and principles of design, such as line, shape, color, texture, and balance through a series of projects utilizing Adobe Photoshop, Illustrator, InDesign, and Flash. Students will also use these various medias to explore two-dimensional and three-dimensional real world applications of design. Students will develop an appreciation of traditional artistic expression as well as an understanding of the role of contemporary media as a verbal and visual means of communication in today's society.

Media Entrepreneurship 10th-12th Grades**(Year Course)**

This course sets high academic standards within an engaging and experiential learning context. The course will introduce concepts of design, innovation and entrepreneurship to lead each student through the process of designing an original product or service to meet a need that the student has identified in his or her community through digital media.

SPECIAL PROGRAMS**LEADERSHIP/ ASB – All Grades****(Year Course)**

Prerequisite: Students must be elected into their class councils or on the School Student Council.

Students in Leadership will be working on the planning and coordination of all student events on campus. This class is limited to only students who have been elected to their positions. As well as working on planning and coordination the students will be required to go through leadership development exercises that will give them more ability as leaders.

OFFICE, LIBRARY OR TEACHER AIDE – 11th and 12th Grades**(Year Course)**

Prerequisites: Student must have a 3.0 GPA or higher.

Enrollment requires consent of the appropriate Teacher, Administrator or Counselor prior to registration for the ensuing semester. Grades will be based on attendance, punctuality and the development of skills used in the office or classroom. Skills to be developed include, but are not limited to, reception, intercom, typing, filing, attendance accounting, etc. Students may not earn more than a total of twenty (20) units towards graduation from these classes, with not more than a total of ten units per year as an office aide or a teacher's aide.

CROSS-AGE TUTOR – 11th and 12th Grades**(Year Course)**

Prerequisites: Student must have a 3.0 GPA or higher.

Student will have to complete training before being placed in a school. Limited positions are available. Enrollment also requires consent of the administrator and teacher of the assigned elementary school. Students are assigned to a local elementary school for one period a day where they have the responsibility of working with a teacher as an aide. The tasks may involve working with the PE program, helping with reading groups, tutoring students in math, teaching computer skills, etc. Students must provide their own transportation.