Chaparral High School

Catalogue of Courses

Graduation Requirements

The Snowline Joint Unified School District currently requires a student to successfully complete a minimum of 200 credits in order to graduate from Chaparral High School. Laid out as the following:

Fine Arts	1 Year	10 total credits
World History	1 Year	10 total credits
Physical Education	2 Years	20 total credits
English	4 Years	40 total credits
U.S. History	1 Year	10 total credits
Government	Half Year	5 total credits
Economics	Half Year	5 total credits
Math	3 Years	30 total credits
Life Science	1 Year	10 total credits
Physical Science	1 Year	10 total credits
Other Science	1 Year	10 total credits
ROP/Career Pathway Electives	2 Years	20 total credits
Electives	2 Years	20 total credits

In order for a student to obtain credit for a given course, he/she must pass the class with a grade of D- or better.

Every student is assigned an online class, administered through E2020, and is expected to complete a minimum of one course per quarter. E2020 is designed for students move at their own pace but does provide a progress report in order to help keep the student on track. Students will only be given one class on E2020 at a time. Once a class is completed another will be issued giving the student the possibility of completing more than one course per quarter.

English/Language Arts

Course Title: **English 9**
Course Number: **A2301** **Course Length:** One Year
Textbook:
Description:
This course introduces students to literary analysis and the use of a variety of literary techniques. Students become familiar with the principles of grammar, the structure of writing, and vocabulary development.

Course Title: **English 10**
Course Number: **A2365** **Course Length:** One Year
Textbook:
Description:
In this course students will explore major literary forms by reading and analyzing essays, short stories, plays, novels, and poetry. This course will emphasize the writing process, review of grammar usage, and present new grammatical elements.

Course Title: **English 11**
Course Number: **A2410** **Course Length:** One Year
Textbook:
Description:
This course is based on major American authors, their styles, and the literary trends related to American history. Students will explore all genres while working to refine their own writing skills through examination of the works of professional writers, grammar and mechanics refinement, and structural practice.

Course Title: **English 12**
Course Number: **A2450** **Course Length:** One Year
Textbook:
Description:
In this course students will study and learn to analyze fictional prose and poetry, and they will learn to argue, debate, and persuade using a wide variety of non-fiction readings. As the foundation of their writing skills, grammar skills will be fine-tuned as lessons will focus on the specific problems of 12th grade writers.

History/Social Science

Course Title: **World History**
Course Number: **A3026** **Course Length:** One Year
Textbook:
Description:
This course will present information necessary for students to understand: 1). man's achievements (Age of Revolutions to modern times); 2) important events of the past that affect us today and tomorrow; 3) current events that affect us today and tomorrow; 4) major people and their influence on history; 5) the importance of geography.

Course Title: **US History**
Course Number: **A3051** **Course Length:** One Year
Textbook:
Description:
In this course students examine major turning points in American history in the twentieth century, with an emphasis on the following themes: the changing role of the federal government; the continuing tension between the individual and the state; the emergency of a modern economy; the impact of technology on American society and culture; the change in the ethnic composition of American society; the movements toward equal rights for minorities and women; and the rise of the United States as a major world power.

Course Title: **Geography**
Course Number: **A3190** **Course Length:** Semester
Textbook:
Description:
Geography is the study of where people, places, and things are located and of the way in which things relate to each other. At the completion of this semester long course, students will be able to answer questions about the world. Throughout this course students will explore topics such as the United States, South America, Asia, and the Pacific World. Content understanding will be assessed with topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Government**
Course Number: **A3071** **Course Length:** One Year
Textbook:
Description:
This course is designed to provide students with a comprehensive understanding of governmental institutions. Students will explore the responsibilities of government from the local to the national level. The political process will also be studied, specifically in regards to the election process.

Course Title: **Economics**
Course Number: **A3092** **Course Length:** One Year
Textbook
Description:
This course will allow students to study and understand concepts of economics and economic history. Students will solve economic problems through active participation in analysis and application exercises. Both macroeconomics and microeconomics will be analyzed.

Mathematics

Course Title: **CAHSEE Math**
Course Number: **A2651** **Course Length:** One Year
Textbook:
Description:
This class is designed for students lacking foundational skills to be successful in the Integrated Math I course. This class is aligned with the Common Core State Standards from grade 8 and Integrated Math I. The focus of the course will be on basic operations of integers and fractions, order of operations, linear equations, simplifying expressions, and basic coordinate geometry.

Course Title: **Financial Math**
Course Number: **A5005** **Course Length:** One Year
Textbook:
Description:
This course is intended to connect practical mathematical concepts to personal and business settings, and provides informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions. This course is also offered as an online, E2020, course.

Course Title: **Integrated Math I**
Course Number: **A2635** **Course Length:** One Year
Textbook:
Description:
The focus of this class will be on linear equations, inequalities, systems, functions, and coordinate geometry. Students will study how to solve equations, inequalities, and systems, and use them to solve word problems and understand how units will apply. Students will study how functions can apply to real world applications and model real world examples. Students will learn the connection between geometry and algebra through the study of coordinate geometry.

Course Title: **Integrated Math I Plus**
Course Number: **A2751** **Course Length:** One Year
Textbook:
Description:
This course is designed for students who need review before moving on to Integrated Math 2. This class is aligned to Common Core State Standards. The focus on this class will be on linear equations, inequalities, systems, functions, and coordinate geometry. Students will study how to solve equations, inequalities, and systems, and use them to solve word problems and understand how units will apply. Students will study how functions can apply to real world applications and model real world examples. Students will learn the connection between geometry and algebra through the study of coordinate geometry.

Course Title: **Integrated Math II**
Course Number: **A2752** **Course Length:** One Year
Textbook:
Descriptions:
This course is aligned to the Common Core State Standards. The focus of the class is on quadratic expressions, equations, and functions. Real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with the quadratic algebraic representations are included.

Course Title: **Geometry**
Course Number: **A2791** **Course Length:** Year
Textbook:
Description:
This one year long course is designed to give students an understanding of geometry and geometric properties. Throughout the duration of this course, students will be engaged in direct instruction, vocabulary lessons, and warm-up lessons. Topics covered include, but are not limited to, foundations of geometry, transformational geometry, angle relationships, triangle properties, parallelograms, similarity applications, right triangles, sine and cosine, circles, solids, and volume. Content understanding will be assessed with topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Algebra**
Course Number: **A2790** **Course Length:** Year
Textbook:
Description:
This one year long course is designed to give students an understanding of algebraic expressions. Throughout the duration of this course, students will be engaged in direct instruction, vocabulary lessons, and warm-up practices. Topics covered in this course include, but are not limited to, quantitative reasoning, linear equations, linear functions, slope, exponential functions, systems, polynomial expressions, quadratic functions, data analysis, and linear modeling. Content understanding will be assessed with topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Statistics**
Course Number: **A2709** **Course Length:** Year
Textbook:
Description:
This course will cover all the basic fundamentals of the field of Statistics. Throughout this course, students will explore ways to make decisions and predictions by analyzing data. In addition the learning proper techniques for gathering data, students will look at the relationships between variables focusing on understanding associations, correlations, and regressions. Additionally, students will work on randomness and probability, testing hypotheses, and understanding confidence intervals.

Science

Course Title: **Environmental Science**
Course Number: **A2988** **Course Length:** One Year
Textbook: None
Description:
This is an introductory course in environmental science. It treats environmental science as an interdisciplinary study, combining ideas and information from natural sciences (biology, chemistry, and geology) and social sciences (economics, politics, and ethics) to present a general idea of how nature works and how things are interconnected. It provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Course Title: **Geology**
Course Number: **A2835** **Course Length:** One Year
Textbook:
Description:
This course is designed to acquaint students with the major concepts in geology and the investigative processes through which geologic discoveries are made. The configuration of the earth, geologic time scales, physical processes to have shaped the earth's surface, and the earth's origin and history will be investigated. Specific topics will include: earthquakes, faults, rocks, minerals, volcanoes, weathering, oil, geologic resources, water resources, and more.

Course Title: **Conceptual Physics**
Course Number: **A2853** **Course Length:** One Year
Textbook:
Description:
This course introduces physics topics using a variety of methods including lecture, hands-on activities, laboratory practices and computer simulations. Subjects covered include mechanical motion, rotational motion, gravity, heat waves, sound, light, and electricity.

Course Title: **Earth Science**
Course Number: **A2931** **Course Length:** One Year
Textbook:
Description:
For much of the twentieth century, science has been divided into unique, highly specialized disciplines that have attempted to unlock the workings of nature. This course is designed to unify the separate sciences into an integrated scientific approach to have an understanding of how our earth system works. Major topics include the role of society, matter, energy, astronomy, geology, meteorology, and biology. The course is designed to meet the physical science requirement.

Course Title: **Chemistry**
Course Number: **A2994** **Course Length:** One Year
Textbook:
Description:
This course deals with the concept of the submicroscopic world of chemistry. Subject matter includes atomic structure, chemical formulas and equations, physical phases of matter, solutions, carbon compounds, chemical reactions, and qualitative and quantitative analysis.

Course Title: **Biology Essentials**
Course Number: **A2906** **Course Length:** One Year
Textbook:
Description:
This is an introductory course based on the essential standards of the California Life Science Standards. This course is designed to help students be successful in Biology I. Content will provide an introduction to topics such as ecology, chemistry, cells, heredity, evolution, anatomy and physiology. Students will be required to actively participate in their education, which may include reading and evaluating science literature, learning how to evaluate reputable sources, and investigating socially interesting topics through research and other projects.

Course Title: **Biology**
Course Number: **A2910** **Course Length:** One Year
Textbook:
Description:
This course is designed as an introductory first year course in biology. The objectives of the course are based on the California LIfe Science State Standards with an emphasis on biochemistry, cells, energy, heredity, biotechnology, evolution, ecology, anatomy, and physiology. Students will be required to take an active role in their education, which may include reading and evaluating science literature, maintaining a lab/notes notebook, learning how to evaluate reputable sources, and investigating social interest topics through research and other projects. Laboratory investigations and dissections correlate with content material with the goal of developing observational, experimental, critical thinking, and communicative skills.

Course Title: **Anatomy and Physiology**
Course Number: **A2920** **Course Length:** One Year
Textbook:
Description:
This course deals with the human body from both a morphological and physiological viewpoint. The course is laboratory-oriented, with dissection of a cat for purposes of comparison to human tissues and systems. In addition, lectures, labs, demonstrations, and discussions concerning functional activities of the living body in terms of both cellular and systemic functions will be conducted. The objectives of this course are based on the California State Standards for Biology.

Course Title: **Physical Science**
Course Number: **A2991** **Course Length:** Year
Textbook:
Description:
This year long course is designed to introduce students to the physical sciences. Throughout the duration of this course, students will be engaged in direct instruction, vocabulary lessons, lab lectures, and lab exercises. Topics covered during this course include, but are not limited to, the scientific method, scientific data, stars, galaxies, the universe, gravity in space, matter, force, density, buoyancy, atoms, the periodic table of elements, chemical bonding, acids, and the chemistry of living. Content understanding will be assessed with topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Physical Science**
Course Number: **A2829** **Course Length:** Year
Textbook:
Description:
This year long course is designed to introduce students to the physical sciences. Throughout the duration of this course, students will be engaged in direct instruction, vocabulary lessons, lab lectures, lab exercises, classroom activities, and group work. Topics covered during this course include, but are not limited to, the scientific method, scientific data, stars, galaxies, the universe, gravity in space, matter, foces, density, buoyancy, atoms, the periodic table of elements, chemical bonding, acids, and the chemistry of living. Content of understanding will be assessed with classwork, discussions, group activities, presentation, quizzes, and tests.

Electives

Course Title: **ASB**
Course Number: **A2080** **Course Length:** One Year
Textbook: None
Description:
This course is designed for students who have been accepted into the ASB program through the application and interview process. During this yearlong elective course, students will be taught the leadership and social skills necessary to successfully run the student recognition program on campus. Instruction will include the following topics: event management, budgeting, community & public relations, and interpersonal communication skills.

Course Title: **Sociology**
Course Number: **A2191** **Course Length:** Semester
Textbook:
Description:
This course is designed to introduce students to the work of sociologists, including understanding the causes and meaning behind human behavior. Topics of study include, but are not limited to, sociological research methods, how society functions, social groups, social change, and social problems. Students will apply these concepts to their own lives and broaden their perspectives with social, cross-cultural, and historical points of view. This course is offered as an online (E2020) course only.

Course Title: **Psychology**
Course Number: **A2190** **Course Length:** Semester
Textbook:
Description:
This course is designed to introduce students to the study of the human mind and behavior. Topics of study include, but are not limited to, psychological research methods, biological concepts, development, personality, psychological disorders, and treatment methods. Focus is placed on the application of psychological principles to everyday living. This course is offered as an online (E2020) course only.

Course Title: **Computer Application**
Course Number: **A3491** **Course Length:** Semester
Textbook:
Description:
This course is an introduction to the Microsoft Office Suite and additional units. The other units include basic computer terminology, typing, digital citizenship, and the Internet. This class will introduce students to the technology they need to be successful. This course is offered as an online (E2020) course only.

Course Title: **Health**
Course Number: **A3390** **Course Length:** Semester
Textbook:
Description:
This course uses pedagogical planning to ensure that students explore many physical and mental health aspects and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle. This course is offered as an online (E2020) course only.

Course Title: **Healthy Living**
Course Number: **A3391** **Course Length:** Semester
Textbook:
Description:
This course is an introduction to a healthy lifestyle. Throughout the duration of this course students will be introduced to personal health and wellness, mental and emotional health, family and social health, and nutrition and physical activity. Students will be engaged in vocabulary activities, direct instruction, journal assignments, and unit quizzes. This course is offered as an online (E2020) course only.

Course Title: **Foundation of Personal Wellness**
Course Number: **A3392** **Course Length:** Semester
Textbook:
Description:
This course is an introduction to personal wellness. Topics covered include, but are not limited to, health and wellness, fitness basics, fitness principles, personal fitness, environmental health, movement and body, flexibility, cardiorespiratory, and spots. During this course, students will be required to keep a fitness log. Content understanding will be tested with topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Lifetime Fitness**
Course Number: **A3393** **Course Length:** Semester
Textbook:
Description:
During this course students will be engaged in direct-lecture and activities. Topics covered include, but are not limited to, fitness, safety, fundamentals, biomechanics, muscular fitness, flexibility, nutrition, and body composition. During the duration of this course, students will be required to keep a fitness log. Content understanding will be assessed through topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Strategies for Academic Success**
Course Number: **A3600** **Course Length:** Semester
Textbook:
Description:
This course is designed to help students be successful throughout their academic careers. Topics covered include, but are not limited to, understanding motivation, study habits, goal setting, internet responsibility, note taking, memorization techniques, study habits, testing, and essay writing. Content understanding will be assessed through topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Introduction to Art**
Course Number: **A3590** **Course Length:** Semester
Textbook:
Description:
This course is an introduction to the basic artistic concepts in the areas of drawing, design, painting, and theory. Content understanding will be assessed through topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Art**
Course Number: **A3591** **Course Length:** Semester
Textbook:
Description:
Throughout the duration of this course, students will be engaged in direct instruction, vocabulary lessons, and visual examples. Topics covered during this course include, but are not limited to, art appreciation, two and three dimensional art, photography, motion pictures, and art history. Course understanding will be assessed with the administration of topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

ROP/Career Electives

Course Title: **Screenprint (ROP)**
Course Number: **A2230** **Course Length:** Semester
Textbook:
Description:
Screen printing is an entry level course covering the basics of imprinting garments and other items. Techniques used include plastisol ink, photoemulsion stencils, heat transfer, sublimation dye, and vinyl cutting. Also covered are elements and principles of design, history of screen printing, safety, and starting a business. Students will complete personal projects as well as customer orders. Basic knowledge of Adobe Illustrator and Photoshop along with MS Office programs is preferred.

Course Title: **Human and Family (ROP)**
Course Number: **A2108** **Course Length:** Semester
Textbook:
Description:
The emphasis of this course is to study the course of Human Development through the entire lifespan and incorporate opportunities of observation, special speakers, and in class projects throughout the year. Instruction will include class discussion to compare philosophies and theories of development through the use of text, videos, research, and class discussions.

Course Title: **Career with Children (ROP)**
Course Number: **A2203** **Course Length:** Semester
Textbook:
Description:
This competency based course provides training with children for an entry-level position in the childcare industry. Through the school year, students will have the opportunity to participate in on-site and/or off-site training in child development centers. Skills could be utilized in a variety of settings such as center-based, home-based, and elementary schools (grade K-3). Classroom instruction and practical experiences will include child development, child management, health and safety issues, and curriculum exploration. An advanced curriculum is available for students who complete the introductory course and take the role of a supervisor.

Course Title: **Emergency Responder (ROP)**
Course Number: **A2209** **Course Length:** Semester
Textbook:
Description:
The course provides students with the knowledge and skills to take appropriate action as the first responder to an emergency scene. The course provides instruction in systems and structures of surface anatomy and key principles of physiology, including the basic function of the nervous system, cardiovascular system, and the respiratory system. Students will perform an assessment of a patient's vital functions. Certified First Responder (CFR) is a required skill for entry-level firefighter positions. Upon successful completion of this course, students will be eligible to receive a National Safety Council First Responder Card and American Red Cros Card, CPR (Cardiopulmonary Resuscitation) for the Professional.

Course Title: **Wildland Firefighting (ROP)**
Course Number: **A2235** **Course Length:** Semester
Textbook:
Description:
THis course is designed to prepare students with the fundamentals of wildland firefighting skills. Classroom instruction, demonstration, and hands-on experiences will be used. THis course covers standards for environmental factors, survival, engine and pump operations, backfiring methods and equipment, map and compass use, air operations, basic hand tool sharpening, and fire line construction. This is an instructional program that prepares individuals to fight fires and control the outbreak of fires.

Physical Education

Course Title: **Core Physical Education**
Course Number: **A3205** **Course Length:** Semester/Year
Textbook:
Description:
All students will be exposed to instruction in monitoring heart rates and the threshold of training as it relates to the enhancement of a health and viable fitness program. Students will learn strategies and skill of basic physical education activities in a variety of areas.

Course Title: **Foundation of Personal Wellness**
Course Number: **A3392** **Course Length:** Semester
Textbook:
Description:
This course is an introduction to personal wellness. Topics covered include, but are not limited to, health and wellness, fitness basics, fitness principles, personal fitness, environmental health, movement and body, flexibility, cardiorespiratory, and spots. During this course, students will be required to keep a fitness log. Content understanding will be tested with topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Course Title: **Lifetime Fitness**
Course Number: **A3393** **Course Length:** Semester
Textbook:
Description:
During this course students will be engaged in direct-lecture and activities. Topics covered include, but are not limited to, fitness, safety, fundamentals, biomechanics, muscular fitness, flexibility, nutrition, and body composition. During the duration of this course, students will be required to keep a fitness log. Content understanding will be assessed through topic tests, unit quizzes, and a cumulative exam. This course is offered as an online (E2020) course only.

Special Education

Course Title: **Study SKills**
Course Number: **A2051** **Course Length:** Year
Textbook:
Description:
This course is for students who need assistance with daily assignments and homework. Students will be closely monitored to insure the completion of all assigned work. IEP placement is a requirement and use of Aeries is encouraged.