



# **U.S. Grant College Prep & Digital Arts Magnet**

## **Course Catalogue 2019 - 2020**

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## INCREASE YOUR COLLEGE KNOWLEDGE: UNDERSTANDING THE A-G REQUIREMENTS

The A-G requirements are 15 courses that get students on track for admission to the California State University and University of California systems. The Grant High School College Prep and Digital Arts Magnet only offers courses designed to fulfill these requirements and prepare students for the rigors of college.

<b>A</b>	<b>History / Social Science [3 years required, 4 years recommended]</b> Three years of history/social science, including one year of world history, cultures and geography; one year of U.S. history; one semester of American government; and one semester of Economics. In order to be a more competitive candidate for the UCs, students should consider taking four years of history.
<b>B</b>	<b>English [4 years required]</b> Four years of college-preparatory English that include frequent and regular writing, and reading of classic and modern literature. No more than one year of ESL-type courses can be used to meet this requirement.
<b>C</b>	<b>Mathematics [3 years required, 4 years recommended]</b> Three years of college-preparatory mathematics that include the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Approved integrated math courses may be used to fulfill part or all of this requirement.
<b>D</b>	<b>Laboratory Science [3 years required, 4 years recommended]</b> Two years of laboratory science providing fundamental knowledge in at least two of these three foundational subjects: biology, chemistry and physics. Advanced laboratory science classes that have biology, chemistry or physics as prerequisites and offer substantial additional material may be used to fulfill this requirement, as may the final two years of an approved three-year integrated science program that provides rigorous coverage of at least two of the three foundational subjects.
<b>E</b>	<b>Language Other than English [2 years required, 3 years recommended]</b> Two years of the same language other than English. Courses should emphasize speaking and understanding, and include instruction in grammar, vocabulary, reading, composition and culture. Courses in languages other than English taken in the seventh and eighth grades may be used to fulfill part of this requirement if your high school accepts them as equivalent to its own courses.
<b>F</b>	<b>Visual and Performing Arts [1 year required]</b> A single year-long approved arts course from a single discipline: dance, drama/ theater, music, or visual art.
<b>G</b>	<b>College-Preparatory Electives [1 year required]</b> One year (two semesters), in addition to those requirement in an "a-f" above, chosen from the following areas: visual and performing arts (non-introductory level courses), History, Social Science, English, Advanced Mathematics, Laboratory Science, and Language Other than English (LOTE).

## HISTORY / SOCIAL SCIENCE

### **AP Human Geography AB** (9<sup>th</sup> grade – limited enrollment)

*Instructor: Mr. Corral*

*Meets Social Studies graduation and UC “A” requirement*

The course focuses on the distribution, processes, and effects of human populations on the planet. It will emphasize the use of spatial concepts and landscape analysis to examine human organization of space. In other words, we will look at the “why of where.” Units of study are based on the seven topics listed in the AP Human Geography Course Description. The units are: the nature and perspectives on geography, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use.

### **Honors World History AB** (10<sup>th</sup> grade)

*Instructor: Mr. McDermott*

*Meets Social Studies graduation and UC “A” requirement*

This full year course is designed to challenge students' analytical thinking and writing skills. The purpose of World History is to develop a greater understanding of how geography along with cultural elements such as the political, economic, religious, social, artistic, and intellectual have shaped the evolution of humanity.

This course covers world history primarily in the modern period, approximately 1750-2005 CE. There is some review of the foundations of western society found within the Greco-Roman culture along with some medieval review of western cultural evolution. It is imperative that students understand that he/she will need to be responsible for all reading and writing assignments throughout the year. Assignments for each unit include primary source reviews, document-based analysis, free response questions, understanding historical context with bias, and comparative analysis. In addition students will complete a world history portfolio and will examine current events and how they relate to historical trends.

### **AP World History AB** (10<sup>th</sup> grade)

*Instructor: Mr. McDermott*

*Meets Social Studies graduation and UC “A” requirement*

The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. The course will have as its chronological frame the period from approximately 8000 B.C.E. to 600 C.E. serving as the foundation for the balance of the course, which continues to the present.

### **Honors U.S. History AB** (11<sup>th</sup> grade)

*Instructor: Mr. McConville*

*Meets Social Studies graduation and UC “A” requirement*

Students study the major turning points in American history in the twentieth century. Following a review of the nation's beginnings and the impact of the Enlightenment on U.S. democratic ideals, students build upon knowledge of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society, the movement toward equal rights for racial minorities and women, and the role of the U.S.A. as a major world power. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. They learn that the U.S.A. has served as a model for other nations and that the rights and freedoms we enjoy are not accidents, but the results of a defined set of political principles that are not always basic to citizens of other countries. Students understand that our rights under the U.S. Constitution are a precious inheritance that depends on an educated citizenry for their preservation and protection.

**AP U.S. History AB** (11<sup>th</sup> grade)

*Instructor: Mr. Cecil*

*Meets Social Studies graduation and UC “A” requirement*

The major purpose of this course is to provide an intensive study of the political, economic, social, intellectual, diplomatic, and cultural development of the United States. The course emphasizes a variety of themes and approaches to United States history and encourages an awareness of the nature of history in its broadest definition and a sense of the alternatives to any given explanation. The course develops the ability to read advanced-level historical work analytically and evaluate historical evidence and interpretations, arriving at conclusions. Students develop college-level social science skills through essay examinations, note taking from both printed materials and lectures, and the preparation of research papers. The course provides for extensive use of historical materials, both primary and secondary. If a student passes the AP Exam, this course may be accepted by colleges for course credit.

**Honors Principles of American Democracy** (12<sup>th</sup> grade - 1 semester required for graduation)

*Instructor: Mr. Cecil*

*Meets Social Studies graduation and UC “A” requirement*

This course is designed to give students an analytical and philosophical perspective on government and politics in the U.S.A. Students study both general concepts used to interpret U.S. politics and examine specific examples. The course requires students to learn facts and concepts and understand typical political processes. The course requires students to master historical and analytical skills, including chronological and spatial thinking, historical research and interpretation. Students evaluate viewpoints presented through major print and electronic media, understand statistical data and analyze trends related to significant political events. The curriculum emphasizes analysis and interpretation of data and relationships in U.S. government and politics.

**Honors Economics** (12<sup>th</sup> grade - 1 semester required for graduation)

*Instructor: Mr. Cecil*

*Meets Social Studies graduation and UC “A” requirement*

The study of economics is a study of choices, a matter of decision making. Many important issues of our country and the world have economic roots. To understand the complex nature of these problems, this course offers an explanation of economics through a balanced treatment of theory, problems and policy, with additional special focus areas.

**AP Psychology AB** (11<sup>th</sup> or 12<sup>th</sup> grade)

*Instructor: Mr. McConville*

*Meets graduation and UC “G” requirement*

The major purpose of this course is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the methods psychologists use in their science and practice. If a student passes the AP Placement Exam, this course may be accepted by colleges for course credit.

## ENGLISH

### **Honors English 9 AB**

*Instructor: TBD*

*Meets English graduation and UC “B” requirement*

The goal of Honors English 9 is to get students reading, writing, and thinking critically and analytically about literature. Features of this class include an emphasis on research-based compositions and presentations, incorporating technology into the language arts, analytically critiquing a variety of media, and a focus on the language arts as applied to work and careers. To this end, students will be involved in activities such as discussions, critical essay writing, individual and group projects, and presentations.

### **Honors English 10 AB**

*Instructor: Mr. McConville and Mr. Guest*

*Meets English graduation and UC “B” requirement*

Our curriculum this year is based on understanding world cultures and discovering our unique place within the context of a global community. As the world grows smaller due to globalization, we must recognize that we are no longer just citizens of our own separate countries but citizens of the world, and we must become more knowledgeable about it and responsible to it. To this end, we must come to understand the ways in which different cultures view and explain our human pursuits. Using both emic and etic perspectives, we will look at how cultures relate to one another, how they differ, and how those in power as a result of membership in a dominant culture can oppress and subjugate those who are members of a minority culture. Ultimately, students will leave this class with a sense of empathy and appreciation for the unique experiences of others.

### **Honors American Literature and Composition / Honors Contemporary Composition (11<sup>th</sup> grade)**

*Instructor: Mrs. Caruso*

*Meets English graduation and UC “B” requirement*

Welcome to your Junior year! Honors American Literature and Composition is a year-long, interdisciplinary exploration of culture and language by asking you to read, listen, and consider multiple perspectives regarding what your 11<sup>th</sup> grade Magnet teachers are calling “The Story of America.” Our ultimate goal this year is to awaken an awareness of the complex cultural, historical, social, and political events that have guided the history of the United States and those who have told its story, from the early origins of our democracy to the current political movements spurred by social media. We hope to show you the United States in a broader, global context, examining the ways in which our country has been altered, and how it has transformed other countries through the transcontinental flow of peoples, ideologies, and institutional power across its borders. This year in Honors American Literature specifically we will focus our attention on the importance of language and rhetoric, United States culture and its relationship to the world beyond its borders, and the complexity of storytelling in all of its various forms. The overarching idea of this course is to examine the simple and complex narratives in our culture that work in concert and in opposition of one another. Diving into these narratives deeply and synthesizing them helps us understand our collective origin story and to mark the changes in this story over time. The more narratives you examine, the more you understand the complexity of our nation. Our journey will allow us to delve into works of non-fiction and fiction alike, and regard each with a critical eye and an open mind. The workload in this course is considerable, but hopefully through our study we will learn where we came from, where we are now, and where our country – and culture – is heading.

### **AP English Language and Composition AB (11<sup>th</sup> grade)**

*Instructors: Mrs. Caruso*

*Meets English graduation and UC “B” requirement*

Welcome to AP English Language! This year-long advanced, interdisciplinary course revolves around an in-depth exploration of American culture and language regarding what your 11<sup>th</sup> grade Magnet teachers are calling “The Story of America.” Our ultimate goal this year is to awaken an awareness of the complex cultural, historical, social, and political events that have guided the history of the United States and those who have told its story, from the early origins of our democracy to the current political movements spurred by social media. We hope to show you the United States in a broader, global context, examining the ways in which our country has been altered, and how it has transformed other countries through the transcontinental flow of peoples, ideologies, and institutional power across its borders. Our journey is divided into thematic units, and each unit is designed to make you skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and adept writers who compose for a variety of purposes. A majority of the course is devoted to the study of argument and persuasion. Our goal throughout the year will be to understand how messages are conveyed and how arguments are structured. Because most media is at some level rhetorical, it is important to recognize how our view of the world is being shaped by what we read, view, or hear. It is also important that as writers we understand how best to communicate our own point of view in a way that others will find reasonable, even if they do not agree. This course will take us through nonfiction and fictional works alike, but rest assured that no matter what the text, you will be challenged to examine language in a new and exciting way!

**Honors Advanced Composition / Honors World Literature (12<sup>th</sup> grade)**

*Instructor: Ms. Pariser*

*Meets English graduation and UC “B” requirement*

The content of these course meets the requirements of college-level writing and literature courses. Students refine their ability to write in a variety of rhetorical modes: narration, description, division and classification, comparison and contrast, process, cause and effect, definition and argument and persuasion. Two formal and lengthy research papers will be assigned. The course presents a variety of methods of pre-writing, organizing, developing, drafting, revising, and editing academic papers. Opportunities are provided for students to read and discuss essays (both professional and those written by their peers), to explore writing and critical thinking strategies, and to practice the skills they have learned. Attention will be given to textual analysis and strategies necessary for comprehending difficult texts. A review of grammar fundamentals is emphasized. Reading assignments will provide models for grammar and syntax studies. Individual conferences with the instructor and comments on papers and drafts are all designed to help students acquire greater control over their writing, develop a more fluid writing style, and master the art of academic writing.

**AP English Literature and Composition AB (12<sup>th</sup> grade)**

*Instructors: Ms. Pariser*

*Meets English graduation and UC “B” requirement*

This year-long advanced course is designed to introduce and engage you in examining literature from a variety of genres, time periods, and countries. Each semester is divided into thematic units, offering a selection of prose fiction, drama, poetry, and non-fiction. In this course, we will not only examine a piece of literature for its content, but we will delve deeper into the larger issues presented within the work through a close interpretation of historical context, and social implications. This course is unlike any other you have taken thus far, and although it is a lot of work, what you learn will be integral in your successful transition into college-level literary analysis and writing.

## MATHEMATICS

### **Honors Algebra I AB / Algebra I AB** (9<sup>th</sup> grade)

*Instructors: Ms. Excel*

*Meets Math graduation and UC "C" requirement*

This course will emphasize problem solving, critical thinking and communicating mathematical ideas. The course curriculum is dictated by the California Standards for Mathematics and the LAUSD Mathematics Program Instructional Guide. The instructional guide from LAUSD assumes the student has taken a pre-algebra type course and is thus familiar with the concept of a variable, and simple operations on variables. The course begins with number properties then rapidly moves to linear functions and their graphs, and linear inequalities. Exponents and the exponential functions, quadratic functions and the related polynomial skills of factoring and square roots, rational expression and equations are addressed in the spring semester.

### **Honors Geometry AB / Geometry AB** (9<sup>th</sup> or 10<sup>th</sup> grade)

*Instructor: Ms. Burawski*

*Meets Math graduation and UC "C" requirement*

The course curriculum is dictated by the California State Standards and the LAUSD Mathematics Program Instructional Guide. Students will learn to define, construct and manipulate geometric shapes and learn to construct formal logical arguments and proofs using geometric settings and problems. Within the structure of four units, students will understand polygons and angles, parallel lines cut by transversals, logical reasoning, triangle congruency and similarity, properties of quadrilaterals, area formulas, properties of right triangles and trigonometry, properties of circles, volume and surface area, transformations, and the relationships in coordinate geometry.

### **Honors Algebra 2 AB / Algebra 2 AB** (9<sup>th</sup>, 10<sup>th</sup> or 11<sup>th</sup> grade)

*Instructor: Mrs. Bloom*

*Meets Math graduation and UC "C" requirement*

This course is designed to complement and expand the mathematical content and concepts of Algebra 1 and geometry. Students will gain experience with algebraic solutions of problems in various content areas, including the solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem, and the complex number system. Instruction will be given in four units that include solving linear equations and inequalities and systems involving absolute value, graphing linear systems of equations and inequalities in 2 or 3 variables, operations with polynomials including factoring, rational expressions, graphing quadratic functions and parabolas, solving problems involving complex numbers, exponential and logarithmic functions and solving their equations, solving problems involving arithmetic and geometric sequences and series, solving problems using combinatorics (the science of counting), using the relationship between the graphs and the coefficients of equations of conic sections, and applying theorems of polynomials.

### **Honors Pre-calculus AB / Pre-calculus AB** (10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade)

*Instructors: Mrs. Bloom and Ms. Excel*

*Meets Math graduation and UC "C" requirement*

This course is the study of the behavior of mathematical structures. Students learn the properties of Algebraic Functions, Rational Functions, Trigonometric Functions, Logarithmic Functions, and Exponential Functions in much more detail and rigor. This is a very demanding course. The student needs to recall facts, formulas, and definitions from Algebra 1, Geometry, and Algebra 2, in addition to the knowledge and familiarity with the structure of the Real Number System. A graphing calculator is used in this class. The calculator is used as a tool to clarify and enhance learning.



**AP Calculus AB / AP Calculus BC** (11<sup>th</sup> or 12<sup>th</sup> grade)

*Instructor: Mr. Campos*

*Meets Math graduation and UC "C" requirement*

Calculus AB and Calculus BC are primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multirepresentational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Both courses are intended to be challenging and demanding.

**AP Statistics AB** (11<sup>th</sup> or 12<sup>th</sup> grade)

*Instructor: Ms. Burawski*

*Meets Math graduation and UC "C" requirement*

This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) Exploring Data, describing patterns and departures from patterns, (2) Sampling and Experimentation, planning and conducting a study, (3) Anticipating Patterns, exploring random phenomena using probability and simulation, and (4) Statistical Inference, estimating population parameters and testing hypotheses. Students must have completed Algebra 2 AB to enroll in this course.

## SCIENCE

### **AP Environmental Science AB** (12<sup>th</sup> grade – limited enrollment)

*Instructor: Dr. Bryant*

*Meets Science graduation and UC “D” requirement*

This course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of this course is to provide 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 or preventing them. The following themes are emphasized: science is a process, energy conversions underlie all ecological processes, the Earth itself is one interconnected system, humans alter natural systems, environmental problems have a cultural and social context, human survival depends on developing practices that will achieve sustainable systems.

### **Honors Biology AB** (9<sup>th</sup> grade)

*Instructor: Dr. Bryant*

*Meets Science graduation and UC “D” requirement*

The major emphasis of this course is to develop an understanding of biological concepts and the capability to apply them in proper context. The course begins with a unit on macromolecules and the scientific method. The remainder of the course concentrates on cells, cell functions, biotechnology, microorganisms, genetics, evolution, ecology, and physiology. Written work will be of four (4) general types: Note-taking, homework, laboratory work, quizzes and tests. Honors Biology will also include biotechnology debate, essays, research papers, and a study of genetic diseases.

### **AP Biology AB** (9<sup>th</sup> grade)

*Instructor: Mrs. Bryant*

*Meets Science graduation and UC “D” requirement*

This course is designed to be the equivalent of a two-semester college introductory biology course. It therefore differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students, and the time and effort required of students. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The three general areas covered are molecules and cells, heredity and evolution, and organisms and populations.

### **Honors Chemistry AB** (10<sup>th</sup> grade)

*Instructor: TBD*

*Meets Science graduation and UC “D” requirement*

This course covers all of the topics in Chemistry AB in more depth and with a more mathematical treatment where appropriate. If time permits, additional topics such as oxidation reduction reactions, colligative properties of solutions, free energy or buffers may be included. Investigation and experimentation are emphasized; laboratory work is an integral part of this course. Students should have good algebra skills.

### **AP Chemistry AB** (11<sup>th</sup> or 12<sup>th</sup> grade – Prerequisite: Honors Chemistry)

*Instructor: Mr. Dickerman*

*Meets Science graduation and UC “D” requirement*

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. This course differs qualitatively from the usual first high school course in chemistry with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by students, and the nature and variety of experiments done in the laboratory. This class is designed to be taken only after the successful completion of a first course in high school chemistry.

**Honors Physics AB** (12<sup>th</sup> grade)

*Instructor: Mr. Dickerman*

*Meets Science graduation and UC "D" requirement*

The curriculum for this course is based on the California Standards for Physics. The first semester covers mechanics: kinematics (description of motion), Newton's Laws and the causes of motion (dynamics), the conservation of momentum and energy. Included in mechanics are one and two-dimensional motion, circular motion and gravitation. The second semester covers heat and thermodynamics, waves (mechanical and electromagnetic), electrical and magnetic phenomena. The postulates of Einstein's Theory of Special Relativity will be considered after state testing is concluded. Investigation and experimentation are emphasized; laboratory work is an integral part of this course. Students should have good algebra skills.

**AP Physics B AB** (12<sup>th</sup> grade)

*Instructor: Mr. Lee*

*Meets Science graduation and UC "D" requirement*

The AP Physics B course includes topics in both classical and modern physics. Knowledge of algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Instruction is given in each of the following five content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. A hands-on laboratory component is offered with a minimum of 12 student-conducted laboratory investigations representing a variety of topics covered in the course.

## LANGUAGE OTHER THAN ENGLISH (LOTE)

### **Spanish 1 AB** (9<sup>th</sup> grade)

*Instructor: Mrs. Valles*

*Meets LOTE graduation and UC “E” requirement*

This is a beginning class where students learn the basics of the Spanish language. Through the use of audio and video modalities, along with the textbook and workbook, students learn the basic foundations of Spanish. Students learn about foods, customs and the Latin American world. Simple grammar, such as verb conjugation and noun-adjective agreement are presented. Instruction is through theme-based lessons.

### **Spanish 2 AB** (10<sup>th</sup> grade)

*Instructor: Mrs. Valles*

*Meets LOTE graduation and UC “E” requirement*

In this course, students learn more every-day, functional vocabulary that will help them speak the Spanish language. Advanced grammatical structures are covered, including irregular verbs, commands, and direct objects. Readings in Spanish are incorporated in the instruction to further expand cultural knowledge and language acquisition.

### **Spanish 3 AB** (11<sup>th</sup> grade)

*Instructor: Mrs. Valles*

*Meets LOTE graduation and UC “E” requirement*

Methodical presentation of structure of the language through hearing, speaking, reading, writing of Spanish. By the end of the course, students should be able to converse in Spanish on a diversity of topics related to their daily life, write short compositions using the vocabulary and the main grammatical structures study throughout the semester, and understand authentic reading materials in the target language. They should also be able to discuss elements of the culture of the Spanish speaking countries, and compare these elements to their knowledge of the American culture.

### **AP Spanish Language and Culture AB** (11<sup>th</sup> or 12<sup>th</sup> grade)

*Instructor: Mrs. Valles*

*Meets LOTE graduation and UC “E” requirement*

This course develops Spanish language proficiency and students’ ability to understand the products, practices and perspectives of the cultures where Spanish is spoken. Students use authentic materials and sources in Spanish to demonstrate language proficiencies in multiple modes of communication, including Interpersonal Communication (two-way written interactions and conversations), Interpretive Communication, (interpretation of written, audio, and audiovisual materials), and Presentational Communication (oral and written presentations of information, opinions, and ideas).

### **French I AB** (9<sup>th</sup> grade)

*Instructor: Ms. Mendevil*

*Meets LOTE graduation and UC “E” requirement*

French 1 is an introduction to the French language and culture. Pronunciation, vocabulary, grammar, listening and speaking are skills to be developed this year. No previous background in French is necessary. The course will adhere to the California World Language Standards as well as the American Council of Teachers of Foreign Language guidelines for first-year language learners.

### **French 2 AB** (10<sup>th</sup> grade)

*Instructor: Ms. Mendevil*

*Meets LOTE graduation and UC “E” requirement*

French 2 expands student understanding of the French language and culture. Students will learn the past tense, the use of direct and indirect objects, reflexive verbs, and the imperfect tense. They will also read authentic texts, poetry, and news articles. The course will adhere to the California World Language Standards as well as the American Council of Teachers of Foreign Language guidelines for secondary language learners.

## MAGNET ELECTIVES

### **Freshman Foundations** (9<sup>th</sup> grade required – 1 semester course, alternates with Health 11)

*Instructor: Ms. Pariser*

*Meets graduation and UC “G” requirement*

This one semester course is required for all incoming 9th grade students, and revolves around four essential questions: How do we define success? What makes someone successful? Why do some people succeed while others fail? How can I create maximum success for myself? The major emphasis of this course is to have students learn and internalize values, attitudes and behaviors that are essential in life and success in academic environments as well as the workplace. The course will help students to understand graduation requirements and options for higher learning, as well as teach study skills and organizational techniques.

### **AP Capstone – Seminar** (11<sup>th</sup> grade)

*Instructor: Mr. Cecil*

*Meets graduation and UC “G” requirement*

This course will equip you with the skills to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. You will have the opportunity to explore real-world issues from multiple perspectives and consider varied points of view to develop deep understanding of complex issues and topics in order to make connections between these issues and your everyday life. Gain a rich appreciation and understanding of issues by reading articles, listening to speeches or broadcasts, and experiencing artistic and literary works. The primary goals of the AP Seminar course are to help you understand how to study an issue from multiple perspectives, evaluate source information, and then develop and communicate effectively a logical, evidence-based point of view. You will practice and apply these skills through the exploration of the complex topics and by examining a variety of and often divergent or competing perspectives.

### **AP Capstone – Research** (12<sup>th</sup> grade)

*Instructor: Mr. Cecil*

*Meets graduation and UC “G” requirement*

AP Research is designed to allow you to dive into an academic topic, problem, or issue of individual interest. You will further develop the skills you acquired in the AP Seminar course by understanding research methods; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. The course culminates in an academic paper of 4,000-5,000 words and a presentation with an oral defense during which you will answer questions about your academic paper.

### **Video Production 1 AB**

*Instructor: Mr. Guest*

*Meets Visual and Performing Arts graduation and UC “F” requirement*

This is a one-year course. We concentrate on the craft and art of making films. The first project, a still-frame photo album, is designed to make the student feel comfortable with the camera, tripod, dolly, and other equipment we have. Grading is determined by how well students meet deadlines, how well they cooperate with one another, and **completing the project**. Completion is a requirement to get a grade of “A” or “B.” Before starting we review shots, angles, transitions, movements and the other units we covered in the beginning class. After the review there will be a written test. Next is a writing unit. Theme is stressed. Students have a choice of what type of project they want to do. They will write a short script, do a storyboard, or write up a shot list. The second project will be between 4 and 5 minutes long. An individual, group, or class project follows. There is a **25 hour requirement** per semester for after school and (or) weekend shooting. Any time spent after school, whether it is on your film or someone else’s counts. 25 hours does not guarantee you an “A.” This is the minimum for a “C.” A student needs to play a major part in a complete film in order to get an “A.” Only one film is required each semester. Some students do more.

## **Video Production 2 AB / Video Production 3 AB**

*Instructor: Mr. Guest*

*Meets Visual and Performing Arts graduation and UC "F" requirement*

These two classes make up our Advanced Film Production class. This is the culmination of a four-year course of study. Students who have worked hard and shown interest in this program are invited into this class. Usually these students have already completed two projects and in some cases have already won awards at various film festivals. One of the major productions for the advanced class is putting on **Film Night**. This is a two-hour show at the end of the year which shows student-produced films. Some are award winners, some are not, and others are still competing in festivals when *Film Night* is presented. It is the celebration of the many long hours students have put into their projects. The year begins with students "pitching" their ideas. Limitations must be set due to the age of students as well as our limitations with equipment and location work. All projects must therefore be approved by the teacher. Next is a period of pre-production. Scripts are written and modified. Shot lists and storyboards are completed, and a production schedule is set up. After principal photography, post-production begins and the footage is edited into the final film. **A minimum of 100 hours** of after-school and/or weekend work is required.

## **Digital Imaging 1 AB**

*Instructor: Mr. Davis*

*Meets Visual and Performing Arts graduation and UC "F" requirement*

The purpose of this course is to provide a balanced visual arts program, which guides students to achieve the standards in the visual arts. In Digital Imaging 1AB, students develop aesthetic criteria to create and assess graphic imagery using contemporary technologies. Importance is placed on developing knowledge of the elements of art and principles of design as they are used in visual communication. Students learn about the history of graphic design, making aesthetic decisions, use of contemporary technologies, drawing with traditional and contemporary media, color theory, layout and design, desktop publishing, and career opportunities.

## **Digital Imaging 2 AB** (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> grade - Prerequisite: Digital Imaging 1 AB)

*Instructor: Mr. Davis*

*Meets Visual and Performing Arts graduation and UC "F" requirement*

Digital Imaging 2 AB offers advanced experiences for the student in both the creative and technical aspects of using contemporary technologies. Historical and contemporary foundations of the visual arts and their relationship to science, the development of technologies and culture will be investigated using information technologies. Knowledge will be refined for applying the elements of art and principles of design for effective visual communication. This course offers the opportunity to develop a portfolio for application to postsecondary or vocational education programs or employment upon graduation.

## **Photography 1 AB**

*Instructor: Mr. Davis*

*Meets Visual and Performing Arts graduation and UC "F" requirement*

The purpose of this course is to provide a balanced visual arts program, which guides students to achieve the standards in the visual arts. In Photography 1 AB, students learn how to communicate visual ideas using basic photographic techniques incorporating historical and contemporary traditions. Traditional photographic traditions may be extended with digital cameras and multimedia technologies, including the addition of text, and scanned images. Students learn about photography as an avocation, vocation, and its relationship to other careers.

# Sample Schedules

## College Prep Pathway

### Grade 9

Honors English 9  
Freshman Foundations / Health 11  
Math (Algebra 1 or Geometry)  
Honors Biology  
Spanish / French (or Magnet Elective)  
PE / Sport

### Grade 10

Honors English 10  
Math (Geometry or Algebra II)  
Honors Chemistry  
Honors World History  
Spanish / French (or Magnet Elective)  
PE / Sport

### Grade 11

Honors American Lit.  
Math (Algebra II or Pre-Calc)  
Honors Physics  
Honors US History  
Spanish / French  
Magnet Elective (or sport, or college)

### Grade 12

Honors Adv. Comp.  
Math (Pre-Calc, AP Calc, AP Stats)  
Physics  
Honors Principles of Am. Dem.  
Magnet Elective (or AP Spanish)  
College Enrollment

## CSU Pathway

Honors English 9  
Freshman Foundations / Health 11  
Math (H. Algebra I or H. Geometry)  
AP or Honors Biology  
AP Human Geography  
PE / Sport

Honors English 10  
Math (H. Geometry or H. Algebra II)  
Honors Chemistry  
AP or Honors World History  
Spanish / French (or Magnet Elective)  
PE / Sport

AP English Lang / Honors Am. Lit  
Math (H. Algebra II or H. Pre-Calc)  
AP or Honors Physics  
AP or Honors US History  
Spanish / French  
Magnet Elective (or sport, or college)

AP English Lit / Honors Adv. Comp.  
Math (H. Pre-Calc, AP Calc, AP Stats)  
AP or Honors Physics  
Honors Principles of Am. Dem.  
Magnet Elective (or AP Spanish)  
College Enrollment

## UC / Private College Pathway

Honors English 9  
Freshman Foundations / Health 11  
Math (H. Algebra I or H. Geometry)  
AP Biology  
AP Human Geography  
PE / Sport

Honors English 10  
Math (H. Geometry or H. Algebra II)  
AP Chemistry  
AP World History  
Spanish / French (or Magnet Elective)  
PE / Sport

AP English Language  
Math (H. Algebra II or H. Pre-Calc)  
AP Physics  
AP US History  
AP Capstone - Seminar  
Magnet Elective (or sport, or college)

AP English Literature  
Math (AP Calc, AP Stats)  
AP Physics  
Honors Principles of Am. Dem.  
AP Capstone - Research  
College Enrollment or Magnet Elective

ULYSSES S. GRANT HIGH SCHOOL COURSE OF STUDY

COLLEGE PREP MAGNET  
2019 - 2020

NAME \_\_\_\_\_ DoB \_\_\_\_\_ GRADE 2019-2020: \_\_\_\_\_

ENGLISH	H ENGLISH 9AB	H ENGLISH 10 AB	H AM LIT / H CONT COMP AP ENGLISH LANGUAGE	H ADV COMP/ H WLD LIT AP ENGLISH LITERATURE
SOCIAL STUDIES	AP HUMAN GEOGRAPHY (OPTIONAL)	H WLD HIST AP WLD HIST	H US HISTORY AP US HISTORY	H PAD/ H ECON AP GOV AP ECON AP MICRO ECON
SCIENCE	HONORS BIO AP BIO	HONORS CHEMISTRY AP CHEMISTRY	HONORS PHYSICS AP PHYSICS AP CHEMISTRY	AP PHYSICS AP ENV SCI AP CHEM HONORS CHEMISTRY HONORS PHYSICS
MATHEMATICS	CC ALGEBRA 1 CC GEOM AB H CC GEOM AB H CC ALG 2AB	CC GEOM AB CC ALG 2AB CC PRE CALC/ AP CALC A  * STATS & PROB	CC ALGEBRA 2AB PRE CALC/ AP CALC A AP CALC B/C  * INTRO DATA SCIENCE * STATS & PROB	PRE CALC/ AP CALC A AP CALC B/C AP STATS  * INTRO DATA SCIENCE * STATS & PROB
FOREIGN LANG	SPANISH 1AB SPAN SP 1AB FRENCH 1AB	SPANISH 2AB SPAN SP 2AB FRENCH 2AB	SPANISH 3AB AP SPAN LANG AB FRENCH 3AB	AP SPAN LIT AB AP SPAN LANG AB
PE	ADV PE 1AB (Any Team Sport by trials)	ADV PE 2AB (Any Team Sport by trials)	(Any Team Sport by trials)	(Any Team Sport by trials)
TEAM SPORTS	<b>FALL: FOOTBALL (V, JV), CROSS COUNTRY (V,JV,F/S) G VOLLEYBALL (V, JV, F/S) G TENNIS (V, JV), CHEER</b> <b>WINTER: B/G BASKETBALL (V, JV, F/S) B/G SOCCER (V, JV)</b> <b>SPRING: TRK (V, JV, F/S) B TENNIS (V, JV) BASEBALL (V, JV) SOFTBALL (V,JV) B/G SWIMMING (V, JV, F/S)</b> <b>B VOLLEYBALL (V, JV) GOLF (CO-ED)</b>			
MAGNET ELECTIVE PATHWAYS	<b>FILMMAKING:</b> VIDEO PROD 1 AB  <b>DIG IMAG / NEW MEDIA:</b> DIGITAL IMAGING 1AB  <b>DIGITAL PHOTOGRAPHY</b> 1 AB	<b>FILMMAKING: VIDEO</b> PROD 1AB / 2AB  <b>DIG IMAG / NEW MEDIA:</b> DIGITAL IMAGING 1AB  <b>DIGITAL PHOTOGRAPHY</b> 1 AB / 2 AB	<b>FILMMAKING:</b> VIDEO PROD 2AB  <b>DIG IMAG / NEW MEDIA:</b> DIG IMAGING 2 AB  <b>DIGITAL PHOTOGRAPHY</b> 1 AB / 2 AB	<b>FILMMAKING:</b> VIDEO PRODUCTION 3AB  <b>DIG IMAG / NEW MEDIA:</b> DIG IMAG PRODUCTION  <b>DIGITAL PHOTOGRAPHY</b> 1 AB / 2 AB
ELECTIVES (w/ counselor permission)	GRAPHIC DESIGN COMPUTER ANIMATION AP STUDIO ART 2D AP ART HISTORY AP SEMINAR AP RESEARCH	INSTRUMENTS CHOIR/VOCAL ENS. THEATRE STAGE DRAMA MARCHING BAND	DRAWING CERAMICS GEOGRAPHY LANDSCAPING FLORAL ARRANG INTRO TO ART	YEARBOOK SPEECH MAGNET LEADERSHIP SENIOR LEADERSHIP INTRO PSYCH/SOCIOLOGY AP PSYCHOLOGY





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**MAGNET**

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