

**Granite Hills High School
2011-2012 Course Descriptions**

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Art 1/2*

This two-semester course is a hands-on project-based class in which students will learn how to use a variety of materials, tools and ideas in order to create two-dimensional pieces of art work. Students will also develop an appreciation and better understanding of art and explore creative expression. This class meets the Fine Arts graduation requirement and the UC "f" VPA requirement.

9, 10, 11, 12

Art 3/4*

This two-semester advanced level art course is for students who have passed the beginning level. Students will continue their exploration of art materials and ideas with the intent of developing a small series of work that displays their individual artistic skills and preferences. Work outside of class is required. This course fulfills the "f" requirement for the entrance to the University of California.

Prerequisite: Art 1/2

10, 11, 12

Art 5/6 and 7/8*

These are advanced level art courses for students who have passed two years of art. Students will continue to develop a personal style through the creation of a thematic, concentrated body of work. Work outside of class is required. These courses fulfill the "f" requirement for the entrance to the University of California.

Prerequisite: Art 3/4

11, 12

Advanced Placement Studio Art Drawing 1/2*

This two-semester course provides guidance to the advanced student in the preparation of artwork that will fulfill the requirements for the AP Studio Art Portfolio in Drawing. This course addresses a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means. Many works of painting, printmaking, and mixed media, abstract and other works may qualify. Students must have completed a minimum of one year of art (drawing/painting) with a grade of B or better, have excellent drawing skills, have teacher permission before enrolling, and be a junior or senior. Students who receive a grade of 3 or better on their portfolio, from the National College Board, will receive college credit for this class. This class meets the Fine Arts graduation requirement and the UC "f" VPA requirement.

AP test in May for a fee.

Prerequisite: Art 1/2

11, 12

Studio Art 1/2 International Baccalaureate SL*

This two-semester course will incorporate the five visual arts components from the California State Framework. These are artistic perception, creative expression, historical and cultural context, aesthetic valuing and connection, and relationship applications. Students will develop competent technical skills in a variety of media. They will understand the elements and principles of design, demonstrate self-expression through both observations of real life and through the use of imagination, and develop a connection between historical and cultural interest and the artwork they create. Students will be required to keep a personal combination sketchbook and research journal that helps build and keep track of personal observations and experiences and participate in class critiques. Students will also become acquainted with and understand various skills needed for careers in arts. This class meets the Fine Arts graduation requirement and the UC "f" VPA requirement.

IB test in May for a fee.

Prerequisite: Art 1/2

11, 12

3-D Design 1/2*

This 2 semester class is an introduction of basic sculpture ideas, methods, and materials. Students relate their work to the elements and principles of art, art history, cultural context, and aesthetics. Students become adept at creatively utilizing a variety of materials such as paper, clay, and metal to meet project requirements. Emphasis on clay.

9, 10, 11, 12

3-D Design 3/4*

This 2 semester class builds on methods and materials introduced in 3-D Design 1. Students relate their work to the elements and principles of art, art history, cultural context, and aesthetics. They will continue to be introduced to new materials and will begin experimenting with materials they are already familiar with. Students become adept at creatively utilizing a variety of materials such as paper, clay, and metal. Emphasis on clay and metals.

Prerequisite: 3-D Design 1/2

10, 11, 12

3-D Design 5/6 and 7/8*

This two-semester course is a continuation of 3-D Design 3/4. Emphasis on clay sculpture.

Prerequisite: 3-D Design 3/4

11, 12

Photography 1/2*

This two-semester laboratory course covers the fundamentals of the art and technique of black and white photography. Students learn to use various types of cameras, from 35mm to digital, as they take their own photographs, develop film, and print their own pictures in the photography-enlarging lab. Areas that may be covered include studio and product photography, digital photography, special effects in the camera, photo lab or on the computer, and image retouching. Students develop an aesthetic appreciation of photography through the introduction of principles of composition and elements of design. The historical and cultural context of photography is investigated and career opportunities are presented. Photography meets the Fine Arts graduation requirement and the UC "f" VPA requirement.

Student must provide a manual 35 mm camera.

11, 12

Photography 1/2* ROP (must be 16 or older)

Same course content as Photography 1/2. ROP Photography meets the Fine Arts graduation requirement and the UC "f" VPA requirement.

Student must provide a manual 35 mm camera.

11, 12

Photography 3/4*

This advanced level photography course emphasizes the refinement of basic skills, individual creativity, and expansion of student knowledge and understanding of historical, cultural, and aesthetic values of the art form. Development of a personal portfolio and work outside the class are required. This course is designed to meet the University of California "f" requirement.

Prerequisite: Photography 1 and 2. Student must provide a manual 35 mm camera and teacher approval.

Contemporary Design 1/2

The Contemporary Design Course is an introductory course for those students enrolled in the four-year Arts, Media & Entertainment (AME) Pathway at Granite Hills. Students will learn basic drawing and painting skills with an emphasis on design as it applies to modern careers such as Graphic Design, Illustration, Advertising and Logo Development. The course includes hands-on project-based learning, guest speakers, field trips and the development of a portfolio. By the end of this year-long course, students will create a portfolio that displays their understanding of the Elements and Principles of Art, their technical drawing ability and their creative and critical thinking skills. This foundation in basic art knowledge and skills will prepare students to continue in the AME pathway. This course does not meet the University of California "f" requirement however subsequent required courses in this pathway will fulfill this requirement.

9

*UC approved

BUSINESS & COMPUTER TECHNOLOGY

Technology Fundamentals/Discovering Computers

Semester one is an interdisciplinary overview of technology that is targeted to the ninth and tenth-grade levels. The emphasis of this course is to provide students with integrated learning experiences. Students will complete project assignments in a minimum of four different subject areas such as English, math, social science, science, technical areas, visual and performing arts, physical education, and other career areas demonstrating the use of a variety of technologies. Technologies demonstrated will include the use of computers and multimedia tools such as scanners, CD-ROM, sound, and video. This course will include introductory units in keyboarding, networking, multimedia, local and distant electronic research using the Internet, word processing, desktop publishing, spreadsheet, and databases. Semester two provides students with an introduction to the computer and its many uses. Students will finish the course with an in-depth understanding of the various computer components, input and output devices, storage systems, operating systems, information systems and information management, programming languages, and Internet access. This one-year course meets the graduation requirement for Technology Foundations.

9, 10, 11, 12

Web Site 1/2

This two-semester course is designed to provide full support for a comprehensive Internet Web site home page for the high school. In addition to basic computer skills such as word processing, database creation, management and form design, and utilizing on-line resources (primarily the Internet), it will also include advanced skills involving aspects of programming, digital photography, and project management. Advanced HTML, topics, and web site management skills including image maps, animated GIFs, email management, VRML and network management will also be included. Upon completion of this course, students will be able to design, create, and manage a comprehensive Internet web site utilizing programming skills, digital photography skills, and organizational skills in a cooperative learning environment.

9, 10, 11, 12

Multi Media Production

This four-semester course provides entry-level training in media production technology. Increasing advanced levels of material will be introduced at each level. Jobs in this field include media production specialists, animator, sound technician, and video production assistant. The media production skills learned in this course also enhances existing jobs such as graphic artist, photographer, and musician. Self-employment is also possible in the areas of video production, music, animation, and computer graphics. The course will cover the following areas of instruction: audio production and electronic music, video production, computer graphics and animation, desktop publishing, multimedia productions, and video recorders.

10, 11, 12

Computer Technology 1C/2C and 3C/4C

Computer Technology is a two-year program of study designed to prepare students for the A+ Certified Computer Service Technical Exam. It comprises four elective courses that are offered in sequence, commencing in either the sophomore or the junior year. The students learn basic computer literacy. Each student has the unique opportunity to learn how computers and their operating systems work by disassembling, reassembling, and testing the actual PC. Students must pass the first course with a grade of C+ or better and be approved by the teacher in order to continue the program. The three remaining courses employ a teach-to-the-test method of instruction. This method involves a combination of classroom teaching and use of A+ exam preparation material and interactive test simulation software. Students are provided with detailed information required to pass the A+ exam.

10, 11, 12

Beginning Video Production 1/2 ROP (must be 16 or older)

This two-semester course provides instruction in the production of television programs and the use of television equipment including stationary and portable cameras, editing consoles, special effects console, audio and lighting equipment, recorders, TV modulators, and VTR's. Students would be involved with productions for classroom use. Script writing, editing, and program production would be a part of the class curriculum.

9, 10, 11, 12

Advanced Video Production 3/4 ROP (must be 16 or older)

This two-semester advanced course provides instruction in the production of television programs and the use of television equipment.

Prerequisite: Beginning Video Production 1/2

10, 11, 12

Computer Internship

This two-semester course provides students an opportunity to work for a technology coordinator to learn about a particular industry or occupational area that directly relates to the student's career goals. These career-focused internships are project-oriented and of an observatory nature. Experience may include special projects, a sample of tasks from different jobs, or tasks from a single occupation. Requires consent of technology coordinator.

11, 12

Computer Applications ROP (must be 16 or older)

This one or two-semester course meets the Technology Foundations graduation requirement. This course will provide entry-level and upgrade training of computer skills useful in almost any job field. The areas covered include computer operations, word processing, desktop publishing, computer graphics, electronic spreadsheet, database management, communications, networking, and hard disk management. Students will learn the course content through lecture/teacher demonstration (30%), hands-on, self-paced lab experience (60%), guest speakers (5%), and homework assignments (5%). Some of the equipment the students will use is an IBM/IBM compatible computer, dot matrix/laser printer, color plotter, modem, and scanner.

REQUIRED COURSES**FRESHMEN:****English 1H/2H***

This enriched course enables 9th grade students who are selected on the basis of tests, grades, and teacher recommendation to study literature and composition in depth. Students taking this course may choose to take either Introduction to Geography Concepts 1C/2C or 1H/2H. This course meets the University of California "b" English and "g" elective requirements.

9

English 1C/2C*

This 9th grade course offers grammar, composition, library/study skills, and reading. Literature is emphasized for the college bound student. Students taking this course may choose to take either Introduction to Geography 1C/2C or 1H/2H. This course meets the University of California "b" English and "g" elective requirements.

9

SOPHOMORE:**English 3H/4H***

This two-semester enriched course continues an in-depth study of literature and composition for sophomore students. Students taking this course may choose to take either World History 1C/2C, 1H/2H, or AP European History. This course meets the University of California "b" and "g" requirements. Summer reading is required.

10

English 3C/4C*

This tenth grade course offers an increased application of communication skills, creative and expository writing as well as the study of world literature. Students taking this course may choose to take either World History 1C/2C, 1H/2H, or AP European History. This course meets the University of California "b" English and "g" elective requirements.

10

JUNIOR:**English 1/2 International Baccalaureate HL1***

English IB courses are primarily pre-university courses in literature requiring students to perform higher-level objectives. Students will engage in independent literary criticisms in a manner that reveal a personal response to literature. Students will express ideas with clarity, coherence, conciseness, precision and fluency in both written and oral communication. Students will also gain a thorough knowledge both of the individual works studied and the relationships between groups of works studied. Students will acquire an appreciation of the similarities and differences between literary works from different ages and/or cultures and an ability to engage in independent textual commentary on both familiar and unfamiliar pieces of writing. A wide-ranging appreciation of structure, technique and style as employed by authors, and/or their effects on the reader, the ability to structure ideas and arguments, both orally and in writing in a logical, sustained and persuasive way, and to support them with precise and relevant examples will be achieved.

Summer reading is required.

11

English Language 1/2 Advanced Placement*

A course that teaches Advanced Placement English to juniors as outlined in the syllabus on Composition/Literature or Language/Composition published by the College Board's Advanced Placement Program. This course meets the University of California "b" and "g" requirements.

AP test in May for a fee.

Summer reading is required.

11

English 5C/6C*

This 11th grade course in the college preparatory program is designed to emphasize American values through a study of American literature including practice for variety and style composition. This course meets the University of California "b" English and "g" elective requirements.

11

SENIOR:**English 3/4 International Baccalaureate HL2***

English IB courses are primarily pre-university courses in literature requiring students to perform higher-level objectives. Students will engage in independent literary criticisms in a manner that reveal a personal response to literature. Students will express ideas with clarity, coherence, conciseness, precision and fluency in both written and oral communication. Students will also gain a thorough knowledge both of the individual works studied and the relationships between groups of works studied. Students will acquire an appreciation of the similarities and differences between literary works from different ages and/or cultures and an ability to engage in independent textual commentary on both familiar and unfamiliar pieces of writing. A wide-ranging appreciation of structure, technique and style as employed by authors, and/or their effects on the reader, the ability to structure ideas and arguments, both orally and in writing in a logical, sustained and persuasive way, and to support them with precise and relevant examples will be achieved.

IB test in May for a fee.

Summer reading is required.

12

English Literature 3/4 Advanced Placement*

Two-semester course offered to academically talented students, emphasizing materials covered in AP exams.

AP test in May for a fee.

Summer reading is required.

12

English For Business 1C/2C*

This two-semester course emphasis is on writing various business communications. Grammar, punctuation, capitalization, abbreviations, figure expression, spelling, and vocabulary building are reviewed. Students will be expected to read non-fiction literature related to English for Business. Students will also be exposed to writing, speaking, and critical thinking skills through topics associated with criminal justice. This course meets the University of California "b" and "g" requirements and fits within the Administration of Justice Career Pathway.

12

English 7C/8C*

Two-semester course focusing on British Literature and the great books of the world designed to lead to an understanding of our total heritage. College preparation and essay writing are emphasized. This course meets the University of California "b" and "g" requirements.

12

English 7C/8C (Emphasis on Creative Writing)*

This is a two-semester college preparatory course exploring a variety of writing styles, including poetry, short stories, and composition. This course is designed to encourage the student with above average or unusual writing ability. Creative writing includes publication of student literary magazine Reflections. This course meets the University of California "b" and "g" requirements.

12

Film as Literature 1C*/Adolescent Search for Values 1C*

Film as Literature provides an academic and laboratory study of motion picture film as an art form. Films are studied in depth, from how films are actually created to how this art is achieved through control of such things as camera and lighting and angle. In addition to viewing, students read and write critical reviews and scripts. Parent permission required to view "R" rated films. Adolescent Search for Values helps students examine and evaluate their own personal values and understand how they are influenced by mass media and the events around them. Literature that aids in the search for a lifestyle in our present society will be used. Both courses meet the University of California "b" and "g" requirements.

12

Drama as Lit/Shakespeare 1C/1C*

This two-semester course covers Shakespeare's plays. Field trips and guest speakers may be used to add depth. This course meets the University of California "b" and "g" requirements.

12

Literature of Fantasy 1C/Science Fiction 1C*

Literature of Fantasy and Science Fiction are college prep courses for students interested in reading from the fantasy and science fiction genres. Students must have a "C" or better in past English class.

Both courses meet the University of California "b" and "g" requirements.

12

Multi-Cultural Literature 1C/2C*

Two-semester course for students interested in studying works by Black, Asian, Hispanic, Indian, and other ethnic writers. The rich diversity of other cultures and the styles and themes of representative multi-cultural writers will be discussed and analyzed. This course meets the University of California "b" and "g" requirements.

12

ENGLISH ELECTIVE COURSES

Journalism 1/2

This two-semester course emphasizes two kinds of experiences: (1) the practice of basic types of journalism, and (2) the role of the mass media in our society. Students learn responsible press, gathering information through research and interviewing, and writing a news story.

9, 10, 11, 12

Journalism 3/4, 5/6 and 7/8

This is a two-semester advanced production course. Students produce the school newspaper, The Clarion and learn to report school news accurately and objectively. They will perform auxiliary functions associated with their production responsibilities.

Prerequisite: Journalism 1/2, and teacher recommendation

10, 11, 12

Publications 1/2

This is a two-semester course designed for the production of the school yearbook. All phases of production, including financing, are covered. The students assume responsibility for collecting the materials, designing the pages, contacting the publisher, securing student payments, and delivering the completed yearbook.

Prerequisite: English teacher recommendation, interview, and instructor approval

10, 11, 12

Publications 3/4 and 5/6

This is a two-semester course designed for the production of the school yearbook.

Prerequisite: Publications 1/2 and instructor approval

11, 12

Transitional English 1/2

This is an elective course for limited-English-proficient (LEP) students who are experiencing difficulties in classes outside the Bilingual Program. Primary emphasis will be placed on helping the student to improve English writing skills and to raise reading comprehension levels. In addition, some class time will be used to teach specific study skills and to give individualized help with any subject where the student may not be achieving at a satisfactory level.

ESL English Beginning 1/2, Intermediate 1/2, and Advanced 1/2 *

English as a Second Language is designed to provide English instruction for the non-English speaking student. Emphasis is placed on oral communication skills. These courses are for "Y" elective credit only.
9, 10, 11, 12

ELD Beginning 1/2, Intermediate 1/2, and Advanced 1/2*

English Language Development (ELD) is a literature based development course designed to increase Cognitive Academic Language Proficiency (CALP).
9, 10, 11, 12

FAMILY & CONSUMER SCIENCE

Food and Nutrition 1/2

This two-semester course covers units on nutrition, food safety, sanitation, healthy food choices, diet and eating disorders, basic food preparation, cultural foods of U.S and international foods, as well as etiquette and table setting.

9, 10, 11, 12

Culinary Arts 1/2 ROP (must be 16 or older)

This course provides entry-level training in culinary arts. Instructions covered include safety, basic principles of food preparation, sanitation, cooking, portion control, food service and presentation. Students use equipment that includes stoves, ovens, broilers, mixers, and other commercial kitchen equipment and tools.

Prerequisite: Completion of Food Discoveries 1/2

10, 11, 12

Clothing and Fashion Merchandising 1/2

This is a two-semester introductory course designed to provide a student with the basic skills, vocabulary and techniques necessary to develop an artistic perception to the world of fashion. In the first semester, students will learn and apply color theories, basic line and design principles, beginning fashion sketching, and basic sewing techniques. Students will complete an individualized basic sewing project that will apply and demonstrate skills learned. The second semester includes researching and reporting on the history and evolution of costume, grooming, and personal care. In addition, students will learn to assess visual displays for aesthetic qualities. Art and sewing skills will be exhibited by creating an original design project. Throughout the semester, careers in fashion will be explored to connect the skills learned to possible careers and other subject areas of study.

9, 10, 11, 12

Environmental Design 1/2*

Environmental Design includes the study and application of the elements of art and principles of design, an introduction to the study of the history of ancient architecture to modern design, the history of furniture, textiles and art. Students will learn through various 2-D and 3-D projects how to identify art movements and styles through historical research and cultural investigation. Students will learn to process, analyze and respond to sensory information by making critical assessments about works of different art forms as they apply to Interior Design. The students will use the elements of art and principles of design to analyze and solve design problems. Students will explore the artistry in Interior Design materials. Students will learn basic rendering techniques that will aide in expressing their original ideas through visual communication. Students will create original 2-D and 3-D pieces/drawings that bridge several art forms and will apply their knowledge to the field of Interior Design. Students will develop and present a portfolio comprising their own body of artwork created throughout the year. Environmental Design meets the GUHSD Fine Arts graduation requirement. This course meets the University of California "f" requirement.

9, 10, 11, 12

On Your Own/Family Relations

This two-semester course is a down-to-earth approach of developing skills to live on your own through exploring alternatives for housing, spending, travel, leisure and management of human resources. A course designed for 11 and 12 grade students who want an in-depth study of mate selection, marriage, and family living.

11, 12

Developmental Psychology of Children ROP * (must be 16 or older)

The purpose of this course is to provide a basic understanding of family planning, prenatal development and care, childbirth, and the development of the child from infancy through early childhood years. The course includes the social, physical, and emotional growth of the parents and child. Develops a framework for exploration of parenting. This course meets the University of California "g" requirement.

10, 11, 12



Algebra IC 1/2*

This is a two-semester rigorous elementary algebra course for the college bound student. Course content includes the vocabulary of the algebra sets and set operations, basic properties of the real number system, positive and negative numbers, polynomials, rational expressions, exponents and radicals, simple functions and relations, graphing, solving linear equations and inequalities, linear systems and quadratic equations. This course meets the University of California "c" requirement.

Prerequisite: 8th grade teacher recommendation
9, 10, 11, 12

Geometry IC 1/2*

Two-semester rigorous, traditional Euclidean geometry course for the college bound student taught using Course content includes inductive and deductive reasoning, the nature of proof, the relationships and properties of angles, parallel and perpendicular lines, congruence and similarity of triangles, polygons and circles, constructions, coordinate geometry, areas of polygons, circles and solids, and volumes of solids. This course meets the University of California "c" requirement.

Prerequisite: Completion of Algebra IC-1/2 with a "C" or better
10, 11, 12

Geometry IH 1/2*

This two-semester course covers topics much more extensively than presented in Geometry, Plane & Solid IC. Additional topics of advanced algebra and geometry are considered as time permits. Course content includes inductive and deductive reasoning, the nature of proof, the relationships and properties of angles, parallel and perpendicular lines, congruence and similarity of triangles, polygons and circles, constructions, coordinate geometry, areas of polygons, circles and solids, and volumes of solids. This course meets the University of California "c" requirement.

Prerequisite: Algebra IH or teacher recommendation and a score of 85% on the Algebra Assessment Test in 8th grade
9, 10

Intermediate Algebra IC 1/2*

This two-semester course is designed for students who do not intend to major in math or science. The course does not meet the requirement for entry into Pre-Calculus. It is similar to Algebra II but does not include trigonometry. The course provides students with the necessary background needed for a successful level of achievement on college level entrance exams. The course includes such topics as rational and radical expressions, quadratic equations, set & function notation, logarithms, and complex numbers. This course meets the University of California Math "c" requirement.

Prerequisite: Algebra 1C & Geometry 1C
11, 12

Algebra IIC 1/2*

This two-semester rigorous intermediate algebra course is designed for the college-bound student. Course content includes sets and set operations, the properties of the real number system, linear functions and relations, graphing, systems of linear and quadratic equations, polynomials, rational expressions, fractional equations, exponents and radicals, quadratic functions and relations, exponential functions, and logarithms. Students gain the necessary background needed for entry into Pre-Calculus IC. This course meets the University of California "c" requirement.

Prerequisite: Geometry, Plane & Solid IC-1/2 with "C" or better
10, 11, 12

Algebra IIH 1/2*

This two-semester rigorous traditional intermediate algebra course for accelerated students who plan to pursue a science or math related major in college. Material is covered much more extensively than presented in Algebra IIC. Additional topics of advanced algebra are considered as time permits. Course content includes sets and set operations, the properties of the real number system, linear functions and relations, graphing, systems of linear and quadratic equations, polynomials, rational expressions, fractional equations, exponents and radicals, quadratic functions and relations, exponential functions, and logarithms. This course meets the University of California "c" requirement.

Prerequisite: Geometry with a grade of B or higher
10, 11

Algebra IIIC 1/2*

This two-semester course is for students who are college bound, but will not be in a math or science-centered curriculum in college. Course content includes statistics, logic and probability, a review of intermediate algebra and analytic geometry, and trigonometric and circular functions. This course meets the University of California "c" and "g" requirements.

Prerequisite: Algebra IIC
11, 12

Pre-Calculus IC 1/2*

This two-semester course is designed primarily to extend the student's knowledge and skills in advanced algebra prior to taking more advanced work in calculus and modern algebra. Course content includes polynomial, exponential, logarithmic, and circular and trigonometric functions, sequences and series, limits and continuity, induction, the binomial theorem, matrices, and logic. This course meets the University of California "c" and "g" requirements.

Prerequisite: Algebra IIC with "B"
11, 12

Pre-Calculus IH 1/2*

This two-semester rigorous advanced algebra course for accelerated students who are college bound. Material is covered much more extensively than presented in Pre-Calculus Mathematics IC-1, 2. Additional topics of advanced algebra and calculus are considered as time permits. Course content includes polynomial, exponential, logarithmic, and circular and trigonometric functions, sequences and series, limits and continuity, induction, the binomial theorem, matrices, and logic. This course meets the University of California "c" and "g" requirements.

Prerequisite: Completion of Algebra IIH with a grade of "B" or better
11, 12

Advanced Placement Statistics 1/2*

This two-semester course is designed to provide effective statistics preparation for students whose college major will be science, engineering, business, or mathematics. AP Stats is equivalent to a one-semester introductory, non calculus-based, college statistics course. Students will be exposed to exploration of data, observing patterns and departures from patterns and anticipating patterns in advance. This course meets UC "c" and "g" requirements.

AP test in May for a fee.
11, 12

Mathematical Studies 1/2 International Baccalaureate SL*

This two-semester course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will learn to apply mathematical applications to make decisions based on data presented by graphs, functions, tables, charts, etc., communicate information in a clear and logical manner, and demonstrate the applications of mathematics to life in a technical society. This course is for students with varied abilities to gain confidence and appreciation for mathematics in their future studies. This course meets University of California Math "c" requirement.

IB test in May for a fee.
Prerequisite: Pre-Calculus with "C" grade or better
11, 12

Calculus IC 1/2*

This two-semester course is designed for college preparatory students. This is a "nontraditional" calculus course designed for students who intend to be Business or Life Science majors. This course does not fully prepare the student for the Advanced Placement Examination. The course content includes, but is not limited to, analytic geometry, graphing techniques, limits and continuity, the derivative, differentiation and anti differentiation, and the definite integral. This course meets the University of California "c" and "g" requirements.

Prerequisite: Pre-Calculus Mathematics IC-1, 2 or Pre-Calculus Mathematics IH-1, 2.
11, 12

Advanced Placement Calculus AB IH 1/2*

This is a two-semester rigorous course in college calculus.

AP test in May for a fee.

Prerequisite: Completion of Pre-Calculus with "B" grade or better
11, 12

Advanced Placement Calculus BC IH 1/2*

This is a two-semester course in calculus incorporating all topics covered in Advanced Placement Calculus AB 1H-1/2 with additional topics.

AP test in May for a fee.

11, 12

Mathematics 1/2 International Baccalaureate SL*

This is a two-semester in-depth course providing sound mathematical preparation for further studies in mathematically related fields such as chemistry, economics, psychology and business administration. This course is a demanding program containing a variety of topics that requires some background knowledge in math and an ability to apply various mathematical methods of reasoning and thought in many situations. This course meets University of California Math "c" requirement.

IB test in May for a fee.

11, 12

Consumer Math 1/2

This is a two-semester course emphasizing the skills needed to function in today's society and make sound financial decisions, including personal earnings, managing checking and savings accounts, basic business finance, investments, insurance, taxes, and budgeting.

12

EL Math Support

The EL Math Support class is designed to give sheltered EL students time to work one-on-one or in groups with a math teacher and EL tutors. Students will use this period to work on math homework and class assignments with the supervision of the math teacher.

9, 10, 11, 12

NON-DEPARTMENTAL

Office Experience (2.5 credits)

Students perform routine office activities, deliver call slips, run errands, answer phones, etc. Administrator, counselor, or teacher supervising the student will make grade evaluation each semester.
9, 10, 11, 12

Teacher Careers 1/2 ROP (must be 16 or older)

This two-semester course is designed to provide students with the knowledge of career opportunities in the field of teaching and other school site educational professions. Career preparation standards which include basic academic objectives, safety, communication, interpersonal and problem-solving skills are integrated throughout the course. Active class participation is enhanced by fieldwork at school sites under the guidance of a mentor teacher. All students are required to participate in a classroom setting at the elementary, middle, or high school level. The course helps prepare students for entry into college or university teacher training programs. Students are required to have a minimum 2.0 GPA and good attendance prior to registration.

11, 12

College Peer Advisor

The college peer advisor program is designed to train junior and senior college bound students so that they may assist their peers in accessing information about the college admission process. Working under the direction of a certificated counselor, the college peer advisors will perform duties ranging from helping a student fill out college applications, research financial aid and admission information and disseminate SAT/ACT testing materials. The objective of the program is to augment the flow of information about post secondary opportunities and financial aid to our students through the help of trained peers. College peer advisors provide support to the guidance staff and serve as an integral part of a student centered approach in our school's guidance delivery system.

11, 12

Special Studies in Leadership (LINK)

This course is designed for students who have demonstrated outstanding potential for leadership. During the course students will examine and analyze the leadership styles of well-known leaders and will focus on leadership principles, as well as the characteristics of successful leaders. Enrollment is by invitation only based on recommendations from teachers. Students will design and complete projects that will serve to achieve their individual academic and/or career goals and help develop their leadership skills.

Prerequisite: An interview with an instructor

11, 12

AVID

This two-semester college preparatory elective course is for students in grades 9 and 10. AVID provides academic instruction and other support to underachieving or under represented students to prepare them for admission to the University of California and California State University Systems. AVID uses writing as a tool for learning, college tutoring, collaborative study, seminars in note-taking and organizational skills, and emphasizes mastery of concepts in all subject content areas and preparation for college admission. This course is not included in the 20-credit limit for non-departmental (Y) courses.

Prerequisite: Students must qualify and meet teachers' selection for program criteria

9, 10

AVID Junior Seminar

AVID Junior Seminar is a preparatory course for AVID Senior Seminar. The year-long course involves substantial critical reading, writing, and research in preparation for external exams for a course in which the student is enrolled, such as Advanced Placement and International Baccalaureate. As with all AVID courses, Junior Seminar features tutors who are college students who lead discussions and analysis of the academic subjects in which the students are enrolled. The prerequisite is one year previous enrollment in AVID prior to the junior year. Concurrent enrollment in an AP, IB, or college transferable course is required. This course is a prerequisite to AVID Senior Seminar 1C/2C. This course does not meet any of the University of California requirements.

11

*UC approved

AVID Senior Seminar*

The AVID Senior Seminar is the culmination of a student's years in the AVID program, and the course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement and International Baccalaureate, and weekly Socratic Seminars. Students enrolled in the Senior Seminar are required to complete weekly timed writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. As with all AVID courses, the Senior Seminar features tutors who are college students who lead discussions and analysis of the academic subjects in which the students are enrolled. Senior Seminar students, working with the tutors, are expected to participate in and moderate Socratic Seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college. This course meets the University of California "g" requirement.

12

PERFORMING ARTS

Symphony Band 1/2*

This two-semester class combines **Marching Band** in the fall and **Symphonic Band** in the spring is for beginning to advanced wind, brass, and percussion players. Strong emphasis is placed on performance demonstrating the highest possible standards of playing ability and choice of music. Formal concerts, festivals, occasional trips and clinical events are listed on its schedule. Because of the performance nature of this class, participation in rehearsals and performances during and after the regular school day and on non-school days will be mandatory and is part of the course curriculum. This course meets the University of California "f" requirement.

Prerequisite: No audition required but summer band camp is mandatory for all students.
9, 10, 11, 12

Colorguard 1

This two-semester Colorguard course acquaints students with the techniques of marching and performing routines in parade, field and indoor environments. Performance opportunities include home football games, competition parades, spring indoor competitions, competition field tournaments, and a variety of other on and off campus events, many of which occur during the weekend. Students will develop dance, drill and equipment skills; develop an increased sense of self-reliance and interdependence with others to create a satisfactory performance; exhibit mastery in performance techniques and be able to analyze the teams' and their own performance through articulation of their thoughts and ideas. Students will communicate their observations and needs clearly both orally and in writing. Participation in rehearsals and performances during after the regular school day, and on non-school days will be mandatory and part of the course curriculum.

Prerequisite: No audition required but summer band camp is mandatory for all students.
9, 10, 11, 12

Beginning Guitar

This course offers the basic instructions in playing skills and music fundamentals (note reading) related to the guitar. Emphasis is placed on small group performances of classical and popular guitar-based literature. Due to the varying levels of skill, solo and leadership opportunities available for students with more experience. This class prepares students for Guitar Ensemble. (2nd year)
9, 10, 11, 12

Guitar Ensemble 3/4 , 5/6 , 7/8

Guitar Ensemble courses are designed especially for those students who have developed a serious posture toward the subject matter and have completed a course in Beginning classical guitar and/or have been recommended by the instructor. The course may be continued with the proviso that the student attempts progression of advanced literature each ensuing year. The guitar ensemble performs intermediate to advanced levels of literature from various genres of music, ranging from the renaissance, baroque, and classical to commercial and contemporary music. Students gain an understanding of classical guitar technique and various other styles of playing the guitar, rehearsal and performance techniques, theory and history of selected repertoire. The director schedules required school and community performances in large orchestral and chamber settings. Guitar Ensemble 1, 2 meets the Visual and Performing Arts UC "f" requirement.
9, 10, 11, 12

Beginning Piano 1/2*

This two-semester course is designed for students with little or no musical background. It is designed as an introduction to music in general, using the piano as the learning tool. It will acquaint students with the "language" and skills of music and the piano and serve as an introduction to music theory. Prospective students must be interviewed by the teacher prior to course enrollment. This course has been approved to meet the UC Visual and Performing Arts "f" requirement.
9, 10, 11, 12

Continuing Piano 3/4*

Continuing Piano 3, 4, is designed especially for those students who have developed a serious posture toward the subject matter and who have completed the course in beginning piano and/or have been recommended by the instructor. The course may be repeated as necessary with the proviso that the student attempts a progression of advanced literature each ensuing year. Sophomores, juniors and seniors, upon recommendation, may take the course. This course could be used as a prerequisite for taking AP Music Theory. This course meets the University of California Visual & Performing Arts "f" and elective "g" requirements. Prerequisite: Beginning Piano 1-2, or instructor's consent.
10, 11, 12

Honors Choir 1/2*

This is an advanced choir for freshmen. The course will concentrate on musicianship skill and application of knowledge learned through vocal performance. Concepts will be addressed through listening to and performing a wide variety of music, including not only the European classical tradition, but contemporary, jazz, popular, and multicultural music. Students who successfully complete this course will be expected to continue their studies in Honors Music 1-2, 3-4, and Advanced Placement Music Theory. Because of the performance nature of this class, participation in rehearsals and performances during and after the school day and on non-school days will be mandatory and is part of the course curriculum. This course meets the University of California Visual & Performing Arts "f" requirement.
Prerequisite: Audition only
9, 10, 11, 12

Honors Music 1/2*

This two- semester Honors Music is the first year of preparation required for Advanced Placement Music Theory. The course will concentrate on musicianship skill and application of knowledge learned through vocal performance. Concepts will be addressed through listening to and performing a wide variety of music, including not only the European classical tradition, but contemporary, jazz, popular, and multicultural music. Students who successfully complete this course will be expected to continue their studies in Honors Music 1-2, 3-4, and Advanced Placement Music Theory. Because of the performance nature of this class, participation in rehearsals and performances during and after the school day and on non-school days will be mandatory and is part of the course curriculum. This course meets the University of California Visual & Performing Arts "f" requirement.
Prerequisite: Audition only
10, 11, 12

Honors Music 3/4*

Two-semester Honors Music 3-4 is the second year of preparation for Advanced Placement Music Theory. Students perform a variety of highly challenging literature from the Renaissance period to contemporary music of the 21st Century. This course will reinforce skills obtained in Honors Music 1-2 while progressing to more advanced skills and sophisticated applications. Because of the performance nature of this class, participation in rehearsals and performances during and after the school day and on non-school days will be mandatory and is part of the course curriculum. This course meets the University of California Visual & Performing Arts "f" requirement.
Prerequisite: Honors Music 1/2 and audition
10, 11, 12

Advanced Placement Music Theory 1/2*

This two-semester course is recommended for students that plan to major/minor in music in college. The course is designed to improve the student's ear training, sight singing, rhythmic skills, and keyboard harmony. There is simultaneous work in ear training, visual analysis, and composition. The curriculum will follow advanced placement course requirements and students will prepare to take the advanced placement examination for college credit. This course meets the University of California Visual & Performing Arts "f" requirement.
Prerequisite: Singing Audition is mandatory and proficiency in reading music. Honor Music 1-4 is highly recommended.
Grade 12 only

Musical Theatre Exploration 1

This two-semester course is designed to develop individual and ensemble performance skills in acting, dance and vocal music. Students will study musical theatre in a historical order beginning with Showboat and ending with Les Miserables and Phantom of the Opera. Students will learn individual and group songs, dances and scenes from each musical studied. This course meets the University of California Visual & Performing Arts "f" requirement. Each semester will include a showcase performance.
9, 10, 11, 12

Beginning Theater 1/2*

This two-semester course covers a variety of elements of theatre. These elements include pantomime, improvisation, rehearsal and performance of monologues and scenes, creation and implementation of a three-dimensional character on stage, elements of stage blocking, play production, script writing, theatre history, musical theatre, and television/film production. Through hands on experience, performance and feedback lecture and projects, students gain an overall appreciation of the art of acting as well as the basics of theatre. The course is open to students in grades 9-12. This course meets the University of California Visual & Performing Arts "f" requirement.
9, 10, 11, 12

Theatre 3/4*

This two-semester course is the second year of Theatre study. The course is designed for students who are interested in advanced Theatre work. Acting, staging, directing, and lecturing are emphasized. Approval of the Theatre teacher is required. This course meets the University of California "f" requirement.
10, 11, 12

Theater 1/2 International Baccalaureate HL1*

This two-semester IB Theatre High Level course is the first year of the advanced study of theatre leading to successful completion of either an IB diploma candidacy, certificate of completion in the theatre arts, or advanced theatre study. Students will be expected to research, perform, produce, direct and understand the various aspects of theatre arts including stagecraft, technical theatre, and acting and theatre theory. All of the course work will integrate IB/AP and State Standard requirements. This course has been approved to meet the UC Visual and Performing Arts "f" requirement. This course does not receive UC honors status.
11

Theater 3/4 International Baccalaureate HL2*

This two-semester IB Theatre High Level course is the second year of this sequence and satisfies group six of the IB program and is a continuation of the advanced study of theatre leading to successful completion of either an IB diploma candidacy, certificate of completion in the theatre arts, or advance theatre study. Students will be expected to research, perform, produce, direct and understand the various aspects of theatre arts including stagecraft, technical theatre, and acting and theatre theory. IB test in May for a fee. Prerequisite: IB Theatre 1/2 HL
12

Technical Theater 1/2*

This two-semester course covers design basics of set, props, costumes, make-up, masks and puppetry, lights, sound, stage management, publicity, box office, house management and Theatre History. In addition to design projects and assignments, students receive hands on experience as a member of the design, building and running crews for the Theatre productions. Students may also serve as crews for outside performances and assemblies. This course serves as a hands-on, lab and project-based program giving the students real world experience in the elements of Technical Theatre. This course meets the University of California Visual & Performing Arts "f" requirement.
9, 10, 11, 12

Technical Theatre 3/4*

This two semester advanced course covers theories and application of set design and construction, lighting, sound, makeup, costuming, publicity, and house management are presented in conjunction with the school's major play productions. This course meets the University of California Visual & Performing Arts "f" requirement.

10, 11, 12

Film 1/2 International Baccalaureate HL1*

This two-semester IB Film course is the first year of an intensive two-year course designed to introduce students to the complexities of the study of film as an art form. Students will analyze, in-depth, several aspects of film including the literary, dramatic, and cinematic aspects of producing films of varying lengths, from short documentary pieces to longer works. Students will also experience the detailed planning and degree of discipline that are required to produce their own short films. Because of the production nature of this class and the need for sophisticated production equipment and editing software, as well as the collaborative structure of film production, time outside of the regular school day may be necessary to complete required projects. Parent permission required to view "R" rated films.

11

Film 3/4 International Baccalaureate HL2*

This two-semester second year course is a continuation of the advanced study of film leading to successful completion of either an IB diploma candidacy, certificate of completion in the film arts, or advanced theatre study. IB Film 2nd Year is designed to introduce students to the complexities of the study of film as an art form. Students will analyze in-depth several aspects of film including the literary, dramatic, and cinematic aspects of producing films of varying lengths, from short documentary pieces to longer works. Because of the production nature of this class and the need for sophisticated production equipment and editing software, as well as the collaborative structure of film production, time outside of the regular school day may be necessary to complete required projects. Parent permission required to view "R" rated films. IB test in May for a fee.

Prerequisite: IB Theatre 1/2 HL

12

PHYSICAL EDUCATION

Physical Education (9)

This two-semester course is designed to provide students with an opportunity to experience physical activity, improve physical and mental health, learn lifetime sports skills, and increase individual fitness and ability. This course takes individual differences into account in the teaching of team sports, individual sports, and fitness. Physical Education also encompasses additional health-related topics such as HIV/AIDS, steroids, drug abuse, smoking, and eating disorders. Team, individual sports, fitness, and aerobic activities will be completed.

9

Physical Education (10-12)

This two-semester course is designed to provide students with an opportunity to experience physical activity, improve physical and mental health and learn lifetime sports skills, and increase individual fitness and ability. This course takes individual differences into account in the teaching of team sports, individual sports, and fitness. Fitness, team and individual sports will be taught. Course meets the second year of the GUHSD PE graduation requirement.

10, 11, 12

Weight Training

This two-semester course is designed to add bulk and/or strength to the student. Instruction will be directed toward individual goals of the students.

Prerequisite: A or B in previous semester PE class

10, 11, 12

Advanced Weight Training

This two-semester course is designed for Junior Varsity and Varsity athletes interested in moving to the next strength level. Students will be required to focus on the Olympic bench press, squat, power clean, and the trap bar. Students will be instructed daily and tested every six weeks in the following areas: bench press, squats, power clean, hip sleds, military press, barbell curls, sit-ups, pushups, and dips.

Prerequisite: A or B in previous semester PE class or instructor approval

10, 11, 12

Aerobic Dance

This two-semester course includes aerobic exercises designed to provide continuous movement in presentation, causing an elevated but safe heart rate for 30 to 45 minutes. Instruction in the relationship of cardiovascular health to overall fitness will be included. Students will be engaged in low-impact aerobic dance, fast walking, jogging, stair climbing, weight training, and Tae-Bo. Spring semester offers hiking as well as instruction in yoga and other dance skills.

Prerequisite: Grade of "C" or above in previous PE class or approval of instructor

10, 11, 12

Aquatics

This two-semester survey course highlights the variety of aquatic activities that are available to students. The course could be divided into two or three week units during which time students would learn the principal elements of each activity.

Prerequisite: Grade of "C" or above in previous PE class or approval of instructor.

9, 10, 11, 12

Science 1C/2C*

This is a two-semester college preparatory course. A laboratory oriented program of academic challenge, emphasizing both earth and physical sciences with life science included. Although not limited to the 9th grade level, this course is primarily designed for highly capable and motivated 9th grade students to insure a four-year science experience for these students. This course will meet the Physical Science graduation requirement, as well as the University of California elective "g" requirement.

9

Earth Science 1C/2C*

This two-semester course provides another avenue for students to meet the state and GUHSD requirements for physical science. The course content follows the curriculum standards for Earth Science stated in the California Content Standards for Earth Sciences. Laboratory demonstrations will be presented. This course has been approved to meet the UC College Prep Elective "g" requirement.

10, 12

Medical Biology 1H/2H*

This two-semester course is open to gifted college preparatory students who have demonstrated an interest and ability in science. This course exposes students to the fundamental concepts and state standards of biology with a medical emphasis. This course will meet the Life Science graduation requirement as well as the UC "d" and "g" requirements.

9, 10

Biology 1H/2H*

This two-semester course is open to gifted college preparatory students who have demonstrated an interest and ability in science. The course will differ from the college preparatory biology course in its text coverage, its greater emphasis on chemistry and physics, and its final direction toward basic concepts in biology. This course will meet the Life Science graduation requirement as well as the UC "d" and "g" requirements.

9, 10, 11, 12

Biology 1C/2C*

This is a two-semester course in basic biology for college preparatory students. This laboratory-oriented course will cover concepts in botany, genetics, human biology, zoology, and ecology. This course will meet the Life Science graduation requirement as well as the UC "d" and "g" requirements.

9, 10, 11, 12

Biology 1/2 International Baccalaureate SL*

This two-semester course requires two outside Internal Assessments to complete the IB diploma. Topics studied in greater depth are Neurobiology and Behavior, Applied Plant and Animal Science, Evolution, Ecology and Conservation. These topics are beyond the core IB curriculum of cells, chemistry of life, genetics, ecology and evolution, and human health and physiology. This course DOES NOT MEET the Life Science or Physical Science graduation requirement. University of California approvals for "d" and "g" requirements are pending.

IB test in May for a fee.

Prerequisite course is Chemistry or Physics at the college prep or honors level

11, 12

Biology 3/4 International Baccalaureate HL2*

This two-semester course is designed to provide necessary lab hours required for Biology 1 and 2 HL IB course and meets the guidelines and rubric of the International Baccalaureate curriculum. The course will incorporate interdisciplinary group 4 projects. It will also cover the concept of cell biology and genetics.

IB test in May for a fee.

Prerequisites: International Baccalaureate Biology 1/2 HL and Chemistry 1C or 1H or Physics 1C or 1H

12

Advanced Placement Biology 1/2*

This is a two-semester course designed to provide the capable student with the opportunity to take part in a college/university level course while attending high school. The curriculum is consistent with the Advanced Placement description published by the College Board. This course does not meet the Life Science or Physical Science graduation requirement, however, it does meet the UC "d" and "g" requirements.

AP test in May for a fee.

Prerequisite: Completion of Biology 1, 2 and completion of, or concurrent enrollment in, Chemistry or Physics
11, 12

Medical Chemistry 1H/2H*

This two-semester laboratory science course is designed for the academically talented student that studies matter pertaining to its composition and changes that occur in composition. There is more detailed and mathematical treatment than in the 1C course and the same content is covered, and when time allows an introduction to qualitative and quantitative chemical analysis is given. This course exposes students to the fundamental concepts and state standards of chemistry with a medical emphasis. This course will meet the Physical Science graduation requirement as well as the UC "d" and "g" requirements.

Prerequisite: Concurrent enrollment in Geometry 1H/2H
10, 11, 12

Chemistry 1H/2H*

This two-semester laboratory science course is designed for the academically talented student that studies matter pertaining to its composition and changes that occur in composition. There is more detailed and mathematical treatment than in the 1C course and the same content is covered, and when time allows an introduction to qualitative and quantitative chemical analysis is given. This course will meet the Physical Science graduation requirement as well as the UC "d" and "g" requirements.

Prerequisite: Concurrent enrollment in Geometry 1H/2H
10, 11, 12

Chemistry 1C/2C*

This two-semester laboratory-oriented course includes concepts on the structure of matter, energy relationships, periodicity of elements, equilibrium, and chemical notation. This course will meet the Physical Science graduation requirement as well as the UC "d" and "g" requirements.

Prerequisite: Algebra I
10, 11, 12

Physics 1/2 International Baccalaureate SL*

This two-semester honors level course meets the guidelines and rubric of the International Baccalaureate curriculum. Using observation and measurement, students will form an understanding of the physical interaction and laws that govern our lives and the world. At the conclusion of the course students will be able to apply the laws of physics to conditions not previously encountered. An understanding of the developmental time line of physics will be demonstrated. In addition, the experience gained in the performance of experiments will engage the student in the physics of everyday life and the limitations of science. Specific curriculum topics will include mechanics, wave motion and light, electricity and magnetism, and atoms. Topics will be reviewed in terms of historical content and how each has affected our society. This course meets University of California "d" requirement for science.

IB test in May for a fee.

Prerequisite: Concurrent enrollment in Pre-Calculus or higher
11, 12

Advanced Placement Physics 1/2*

This two-semester mathematically-oriented laboratory course includes concepts in mechanics, heat, electricity, wave phenomena, and kinematics. This course will meet the Physical Science graduation requirement as well as the UC "d" and "g" requirements.

AP test in May for a fee.

Prerequisite: Concurrent enrollment in Pre-Calculus or higher, must complete Life Science Requirement
11, 12

*UC approved

Physics 1C/2C*

This laboratory-oriented course includes concepts in mechanics, heat, electricity, wave phenomena, and kinematics. This course will meet the Physical Science graduation requirement as well as the UC "d" and "g" requirements.

Prerequisite: Geometry

11, 12

Oceanography 1H/2H*

This two-semester course offers units in the following areas: ocean ecology, plant and animal life, physical oceanography, and the seas in relationship to man. Field trips, guest speakers, lab experiments, and group participation will be emphasized. This course meets the UC "d" and "g" requirements.

Prerequisite: Prior completion of Life and Physical Science Graduation Requirement

11, 12

Physiology 1H/2H * (Human Kinetics)

This two-semester course designed for students who wish to pursue careers in allied health fields or who desire to major in life sciences in college. This class will provide an in-depth study of human anatomy and physiology, and students will be required to participate in lab experiences, field trips, and attend guest lectures. This class does not meet the Life Science or Physical Science graduation requirement, however, it does meet the UC "d" and "g" requirements.

Prerequisite: Successful completion of Biology and Chemistry

11, 12

Science Seminar H (period 1 only)

This two-semester elective allows science students to pursue independent study and research in diverse areas, while providing guidance and training in research techniques. Students will be able to begin work that could lead directly into a scientific major at the university level and gain specific experimental and research skills not normally part of the regular science curriculum. A major component of this course will be to complete two long-term individual projects, unique for each year of independent study. Students will also research and present seminars each semester, as well as maintain a weekly log documenting their independent study progress. Participation in regional, state and national science competitions will also be required. Evaluation will be based on students completing their individual program of study. This course may be repeated for two years (20 credits).

9, 10, 11, 12

Introduction to Forensic Science 1/2

This two-semester course provides an introduction in elementary principles of inorganic and general chemistry with application to the field of criminal justice. Students will learn basic chemical terminology, problem solving techniques and chemical explanations of our environment. Emphasis will be placed on forensic applications of topics covered including the study of physical evidence such as hair, fibers, glass, fingerprints, and paint. Organic and inorganic techniques for analyzing evidence will be studied, with practical applications in the laboratory.

Prerequisite: Successful completion of Biology and Chemistry

11, 12

Medical Profession Exploration ROP (must be 16 or older)

This two-semester modularly taught course covers content addressing Strategies for Success, Medical Terminology, Interpersonal Dynamics, Computer Literacy, Socioeconomics, Safety and Health Maintenance, Body Structure and Function, Growth and Development, Ethical and Legal Responsibilities and Employment Literacy in the Health Industry. Teachers from other health pathways will teach various modules in this course. This will educate you on the various employment opportunities within the health industry and is available to students 16 and older.

10, 11, 12

Sports Medicine ROP (must be 16 or older)

This two-semester course provides training in sports medicine and prevention and treatment of athletic injuries and is available to students 16 and older. The course will cover the following areas of instruction: CPR, training room operation, exercise physiology, and types of injuries and treatment. Students will gain experience in using tools of the trade (blood pressure cuffs and stethoscopes, elastic wraps and tapes). Course requirements include personal fitness, participation in extracurricular events, and participation in on-the-job type training. Students must be able to pass the CPR test.

10, 11, 12

Lab Assistant

A course designed for students who have demonstrated unusual capabilities in science and wish to assist the instructors in preparing and conducting a variety of lab experiences as an assistant to the instructor. This course will not meet the Life or Physical Science graduation requirement. Lab Assistant is open to students in grades 11 and 12 with teacher consent

11, 12

*UC Approved (for laboratory science)

SOCIAL SCIENCE

REQUIRED COURSES

FRESHMEN:

Human Geography 2 Advanced Placement

This course introduces the student to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organizations and its environmental consequences. They also learn about the methods and tools used by geographers in their science and practice.

9

Introduction to Geography Concepts 1H/2H*

This required course is designed for the honors level student. Students taking this course may choose to take English 1C/2C or 1H/2H. The course emphasizes regional geography, with attention to the influence of physical features of the region on the lives of the people. Students review the geography of Anglo America and engage an in-depth study of three selected geographic regions. Students develop basic social science skills including use and interpretation of maps. Place name recognition and the ability to apply geography facts and principles to real situations are stressed. Students are expected to conduct extensive research in geography and to analyze and evaluate abstract concepts. This course meets the University of California "g" elective requirements.

9

Global Studies Geography 1C/2C*

This two-semester course combines literature, geography, and culture and focuses on cultures around the world. The course curriculum meets the geography content standard.

9

SOPHOMORE:

AP European History 1/2*

This two-semester course is designed to provide the capable student with the opportunity to take part in a college-level course while attending high school. The curriculum is consistent with the Advanced Placement Course Description published by the College Board. Students taking this course may choose to take English 3C/4C or 3H/4H. This course meets the UC "a" and "g" requirements.

AP test in May for a fee.

10, 11, 12

World History, Culture, and Geography 1H/2H*

This required two-semester survey course is designed to provide an introduction to world history and physical and cultural geography. Students taking this course may choose to take English 3C/4C or 3H/4H. This course is designed for the academically talented student and assumes a high level of entry-level performance in reading and writing skills. This course satisfies district and state requirements for two semesters of instruction in world history, culture, and geography. This course meets the University of California "a" social science and "g" elective requirements.

10

World History, Culture, and Geography 1C/2C*

This required two-semester survey course designed to provide an introduction to world history and physical and cultural geography. Students taking this course may choose to take English 3C/4C or 3H/4H. This course is designed to meet the needs of the student who expects to pursue a post secondary education in a four-year college setting. This course satisfies district and state graduation requirements for two semesters of instruction in world history, culture, and geography. This course meets the University of California "a" social science and "g" elective requirements.

10

JUNIOR:**History 1/2 International Baccalaureate HL1***

This two-semester honors level course meets the guidelines and rubric of the International Baccalaureate curriculum. The course meets the California State requirements for United States history at the honors level, but includes Canada, Central, and South American history from the colonial period to the present. Political, economic, social, religious, and cultural themes will be examined via primary source documents, lectures, class discussions, several required texts, and a variety of articles from educational journals. The course will examine the invasion process and the societies that resulted from the collision of two old worlds and their evolution to present day interactions. Students will acquire and understand a historical knowledge of the Americas, develop an appreciation and understanding of history as a discipline, and will grow to appreciate people living in diverse places and different times. This course meets the University of California "a" and "g" requirements.

11

Advanced Placement American History 1/2*

This two-semester course in U.S. History is designed to provide the capable student with the opportunity to take part in a college-level course while attending high school. The curriculum is consistent with the Advanced Placement course description published by the College Board. This course meets the University of California "a" and "g" requirements.

AP test in May for a fee.

11

U.S. History and Geography 1C/2C*

A two-semester course with instruction of U.S. History in the 20th century designed for the 11th grade student in the college preparatory program. Knowledge and critical thinking skills outlined in the 1A-2A level are similar to those required for this course. Students are expected to do outside reading in addition to textbook assignments and be able to pursue in-depth research. It is the intent to follow, as closely as possible, the Master Curriculum Standards. This course meets the University of California "a" social science and "g" elective requirements.

11

SENIOR:**History of the Americas 3/4 International Baccalaureate HL2***

This two-semester course is designed as an honors level course under the guidelines and rubric of the International Baccalaureate curriculum. The course meets California requirements for American Government but also includes the governments and politics of Russia, China, France, Great Britain, Mexico, Nigeria, and India. The content and themes focus on 20th Century history as suggested in the IB Group 3/Higher Level History syllabus as well as the government cases mandated by the AP Comparative Government exam. This course meets the University of California "a" requirement for history/social science.

IB test in May for a fee.

12

Economics 1H / Advanced Placement American Government 1*

This year-long college-level American Government course is taught in conjunction with Honors Economics and is an in-depth study of the various institutions peculiar to the American political system and its history with an interpretation of specific governmental case studies. The focus will be on civil liberties and civil rights, policy processes, political parties and interest groups, various political beliefs, and the constitutional background of our government and political being. Students must be able to successfully complete daily work, unit tests, the above case studies and investigations, and research term papers leading to the Advanced Placement test. Writing on a daily basis will be stressed in order to prepare students for not only the essay sections of the AP test but for successful completion of future social science college work. This course meets the University of California "a" and "g" requirements.

AP test in May for a fee.

12

American Government 1H / Advanced Placement Economics 1*

This year-long college-level Economics course is taught in conjunction with Honors Government. The principles of economic analysis, economic institutions, and issues of public policy are examined. The student will be encouraged to develop critical thinking and communication skills through study. The course will include allocation of resources, distribution of income, money and banking, economics, as well as practical applications to consumer economics. In addition, students will be expected to explore various conflicting theories of economic thought, national and international issues, measurement concepts, and methods of analysis. This course meets the University of California "g" requirement.

AP test in Economics in May for a fee.

12

American Government 1C*

This one-semester course examines the origin, development, structure, and operations of all levels of government in the United States. Included in this course will be an intensive examination of the primary institutions of government and a critical analysis of changing aspects of traditional relationships among the institutions of executive, legislative and judicial at all levels. Emphasis will be placed on critical thinking and communicative skills such as hypothesis formation, data gathering, and analytical questioning in dealing with the subject matter of the course. This course meets the University of California "a" and "g" requirements.

12

Economics 1C*

This one-semester course examines the principles of economic analysis, economic institutions, and issues of public policy. The course will include allocation of resources, distribution of income, money and banking, economics, as well as practical applications to consumer economics. The student will be expected to explore various conflicting theories of economic thought. This course meets the University of California "g" requirement.

12

SOCIAL SCIENCE ELECTIVE COURSES

Student Government 1C/2C

This two-semester course develops activities that promote Granite Hills School loyalty and spirit. Time outside of class is required for projects and activities. This one or two-semester course provides students the opportunity to learn leadership principles and techniques useful in carrying out their duties as officers in their school's student government organization. Through the development of activities that promote school loyalty and spirit, student leaders learn how governmental policies evolve. Techniques of democratic problem solving are learned through participation. Class standards are set by Granite Hills High School and students may be removed if they fail to maintain those standards. The course may be repeated for credit up to eight (8) times.

Prerequisite: Application process

10, 11, 12

Advanced Placement Psychology 1/2*

This two-semester course will focus on the historical and environmental development of psychology, the four major schools of thought, application of theoretical approaches, and the responsible and ethical practices within the field. This course meets University of California "g" requirement.

AP test in May for a fee.

11, 12

Psychology 1/2 International Baccalaureate SL*

This two-semester course is intended primarily for the International Baccalaureate Certificate Program. It will focus on the historical and environmental development of psychology, the four major schools of thought, application of theoretical approaches, and the responsible and ethical practices within the field. This course meets University of California "g" requirement.

IB test in May for a fee.

11, 12

Psychology 1C/Sociology 1C*

Semester one Psychology 1C will enable students to achieve a full understanding of the working of the brain and nervous systems along with the interesting subjects of cerebral laterality, intelligence, memory, personality development, human behavior, sleep, dreams, stress, and various psychological disorders. It will emphasize and use the techniques of human observation, surveys, research papers, experimentation, and lively group discussions. Careers in psychology, psychiatry, and psychoanalysis will also be emphasized. Semester two Sociology 1C provides an introduction to the nature and scope of sociology, including a systematic treatment of group life, social institutions, social processes, social change, and social control. Students will study the development and use of concepts that are applied to sociological analysis. The student will develop critical thinking and communicative skills such as hypothesis formation, data gathering, and analytical questioning. Both courses meet the University of California "g" requirement.
11, 12

Intro to Criminal Justice 1C/2C

This two-semester course includes history and philosophy underlying the administration of criminal justice in America and the Constitutional underpinnings of the criminal justice system in America. Areas of study include concepts, types, and origins of the law, of typology and causative theory relating to crime and criminal behavior, or personal and corporate role expectations and ethics, the component parts of the justice system and their interrelationships and efforts toward professionalism, and various perspectives relating to punishment, rehabilitation, and education.

11, 12

Theory of Knowledge 1/2 International Baccalaureate* (TOK)

This two-semester honors level course is the capstone of the International Baccalaureate program and is an interdisciplinary requirement intended to stimulate critical reflection on the knowledge and experience gained inside and outside the classroom as well as provide support for the writing of the IB extended essay. The course challenges students to question the basis of knowledge, to be aware of subjective and ideology biases and to develop the ability to analyze evidence that is expressed in rational argument. It is a key element in encouraging appreciation of other cultural perspectives. This course meets University of California "g" requirement.

12

WORLD LANGUAGE

French 1C/2C*

This is a two-semester beginning course that serves as an introduction to the French language by means of the communicative approach. The basic grammatical structure of the language in its cultural context through a variety of activities and carries on simple conversations is covered. General emphasis is on listening and speaking. The course is designed for the college preparatory level. This course meets the University of California "e" and "g" requirements.

9, 10, 11, 12

French 3C/4C*

This two-semester second level course is a continuation and expansion of the basic language patterns of French 1C and 2C. Emphasis is on increasing communicative skills and culture awareness of all French-speaking people. This course meets the University of California "e" and "g" requirements.

Prerequisite: French 1C/2C

10, 11, 12

French 5C/6C*

This is a two-semester third level course where the student should attain a mastery of fundamental French grammar and should be able to converse with a minimum of grammatical errors. The students are expected to participate freely in all classroom activities. They will attempt simple compositions related to daily experiences or reading matter of the course. Reading selections include works by recognized French authors. This course meets the UC "e" and "g" requirements.

Prerequisite: French 3C/4C

11, 12

French 5H/6H*

This two-semester course is conducted exclusively in French that requires greater depth, quality, and linguistic acumen from the student than the college preparatory curriculum. Students should demonstrate above average command of sentence structure and all basic grammar in oral and written language by the end of the course. Course requirements include varied and consistent oral participation, weekly addition of a significant number of words in the student's recognition and usage vocabulary, regular study of literary works of recognized merit, and writing development assignments. This course meets the UC "e" and "g" requirements.

Prerequisite: French 3C/4C and teacher recommendation

11, 12

Advanced Placement French 1/2*

This two-semester course in French language is designed to provide the capable student with the opportunity to take part in a college-level course while attending high school. The curriculum is consistent with the Advanced Placement Course Description published by the College Board. This course meets the UC "e" and "g" requirements. Students taking this course are expected to take the French AP test in May for a fee.

Prerequisite: French 5C/6C or French 5H/6H and teacher recommendation

11, 12

World Language French 1/2 International Baccalaureate SL*

This is a college level two-semester course intended for 11th and 12th grade students. The goal of the class is to develop the reading, writing, oral and listening skills of the IB French students so they are prepared for the IB Examination-Standard Level. This course will draw from the following three themes: exploring change; exploring groups; and exploring leisure. Students will read, view, and discuss literature, current journals, Internet sites, newspapers, textbooks, and television news programs. This course meets the University of California "e" requirement. Students taking this course are expected to take the Standard Level French IB test in May for a fee.

Prerequisite: French 5C/6C or French 5H/6H

11, 12

World Language French 1/2 International Baccalaureate HL1*

This two-semester course focuses on cultural and literary topics and includes a review of all grammatical concepts. New vocabulary is introduced through readings about a variety of subjects including legends, short stories, magazine articles, politics, entertainment, ecology, and the environment. Emphasis is placed on francophone literature and cultures from around the world. Cultural topics include French holidays, media, and leisure time in Europe and other francophone countries. Readings include literary works such as the Phantom of the Opera. Oral presentations and debates are required of all students as part of the IB curriculum. Extensive listening activities from CD's and DVD's provide students with the opportunity to hear normal conversational French. Assessment techniques include journal writings, tests, quizzes, homework assignments, oral presentations, and essays. This course meets the University of California "e" requirement.

Prerequisite: French 5C/6C or French 5H/6H

11

World Language French 3/4 International Baccalaureate HL2*

This two-semester college level course focuses on advanced conversation, reading, and grammar. This course reflects a more advanced and intense study in French. Students taking this course are expected to take the Higher Level French IB test in May for a fee.

Prerequisite: French 5C/6C or French 5H/6H

12

Spanish 1C/2C*

This two-semester course serves as an introduction to the Spanish language by means of the communicative approach. The student encounters the basic grammatical structure of the language in its cultural context through a variety of activities, and carries on simple conversations. General emphasis is on listening and speaking. The course is designed for the college preparatory student and meets the UC "e" and "g" requirements.

9, 10, 11, 12

Spanish 3C/4C*

This second level two-semester course is a continuation and expansion of the basic language patterns of Spanish 1C and 2C. Emphasis is on increasing communicative skills and cultural awareness of all people who speak Spanish. This course meets the UC "e" and "g" requirements.

Prerequisite: Spanish 1C/2C

9, 10, 11, 12

Spanish for Spanish Speakers 3C/4C*

This two-semester course is designed for native Spanish speakers offering more advanced grammar, non-simplified reading materials, spelling lists, and more advanced vocabulary study. This course meets the UC "e" and "g" requirements.

Prerequisite: Native speaker of Spanish

9, 10, 11, 12

Spanish 5H/6H*

This two-semester course is conducted exclusively in Spanish and requires greater depth, quality, and linguistic acumen from the student than the college preparatory curriculum. Students should demonstrate above average command of sentence structure and all basic grammar in oral and written language by the end of the course. Course requirements include varied and consistent oral participation, weekly addition of a significant number of words to the student's recognition and usage vocabulary, regular study of literary works of recognized merit, and writing development assignments. This course meets the UC "e" and "g" requirements.

Prerequisite: Completion of Spanish 3C-4C, or equivalent, and teacher recommendation

10, 11, 12

Advanced Placement Spanish 1/2*

This two-semester college-level course provided curriculum consistent with the Advanced Placement Course Description published by the College Board. Students taking this course are expected to take the Spanish AP test in May for a fee.

Prerequisite: Teacher recommendation
10, 11, 12

World Language Spanish 1/2 International Baccalaureate SL*

The goal of this two-semester course is to develop the reading, writing, oral and listening skills of the IB Spanish students so they are prepared for the IB Examination – Standard Level. This course will draw from the following three themes: exploring change; exploring groups; and exploring leisure. Students will read, view, and discuss literature, current journals, internet sites, newspapers, textbooks, and television news programs. This course meets the University of California “e” requirement. Students taking this course are expected to take the Spanish IB test in May for a fee.

Prerequisite: Spanish 3C/4C and teacher recommendation
11, 12

World Language Spanish 1/2 International Baccalaureate HL1*

This two-semester course focuses on cultural and literary topics and includes a review of all grammatical concepts. New vocabulary is introduced through readings about a variety of subjects including legends, short stories, magazine articles, politics, entertainment, ecology, and the environment. Emphasis is placed on literature and cultures from around the world. Cultural topics include Spanish holidays, media, and leisure time in Spanish countries. Oral presentations and debates are required of all students as part of the International Baccalaureate curriculum. Extensive listening activities from CD’s and DVD’s provide students with the opportunity to hear normal conversational Spanish. Assessment techniques include journal writings, tests, quizzes, homework assignments, oral presentations, and essays. This course meets the University of California “e” requirement.

Prerequisite: Spanish 3C/4C
11

World Language Spanish 4 International Baccalaureate HL2*

A college level course designed for the third year of Spanish. This course reflects an advance and intense study of Spanish. The goal of the class is to develop reading, writing, oral and listening skills of the IB Spanish students so they are prepared to take Spanish IB HL2. The course will draw from the following three themes: exploring change, exploring groups and exploring leisure. Students will read, view and discuss literature, current journal, internet sites, newspapers, textbooks short stories and television news programs. This course meets the University of California “e” foreign language and “g” elective requirements.

Prerequisite: World Language Spanish 1/2 International Baccalaureate HL1 or Teacher Recommendation
11, 12

Mandarin Chinese 1C/2C

Introductory Mandarin Chinese Language is a one-year course designed for non-speaking students of the Chinese Mandarin language by means of the communicative approach. Students will practice listening, writing, reading, and speaking as they learn the basic language components; the alphabet, the Chinese sound system, the four tones, grammar, and vocabulary in context. Additionally, Chinese culture, customs and practices will be taught. The course is designed for the college preparatory level. This course meets the University of California “e” and “g” requirements.

9, 10, 11, 12