



2011-2012

**9-12 Independent Study
Academy**

**Course Description
Catalog**

Contents

<u>9-12 Academy</u>	3
<u>English</u>	<u>3</u>
<u>Mathematics</u>	<u>4</u>
<u>Science</u>	<u>5</u>
<u>History / Social Science</u>	<u>5</u>
<u>Visual/Performing Arts</u>	<u>7</u>
<u>Physical Education</u>	<u>8</u>
<u>Computers</u>	<u>8</u>
<u>Driver’s Education / Health</u>	<u>9</u>
<u>Electives</u>	<u>9</u>
<u>Plans of Study</u>	<u>11</u>
<u>Visions E.D.G.E. Online Pilot Courses</u>	<u>14</u>

9-12 Academy**English****315811 English 1****(1-Year Course – 10 Credits)**

Through the use of relevant readings and writing, students will develop and refine the knowledge and skill acquired in the earlier grades. After a preliminary assessment, students will be placed in a standards-based curriculum tailored to scaffold the learner to higher levels of language art proficiency. English 1 is required for high school graduation and for admission to colleges and universities. The curriculum in this course prepares students for both the annual state testing and for the California High School Exit Exam (CAHSEE).

315812 English 2**(1-Year Course – 10 Credits)**

Through the use of relevant readings and writing, students will develop and refine the knowledge and skill acquired in the earlier grades. After a preliminary assessment, students will be placed in a standards-based curriculum tailored to scaffold the learner to higher levels of language art proficiency. English 2 is required for high school graduation and for admission to colleges and universities. The curriculum in this course prepares students for both the annual state testing and for the California High School Exit Exam (CAHSEE).

315813 English 3**(1-Year Course – 10 Credits)**

Through the use of relevant readings and writing, students will develop and refine the knowledge and skill acquired in the earlier grades. After a preliminary assessment, students will be placed in a standards-based curriculum tailored to scaffold the learner to higher levels of language art proficiency. English 3 is required for high school graduation and for admission to colleges and universities. The curriculum in this course prepares students for both the annual state testing and for the California High School Exit Exam (CAHSEE).

315814 English 4**(1-Year Course – 10 Credits)**

Through the use of relevant readings and writing, students will develop and refine the knowledge and skill acquired in the earlier grades. After a preliminary assessment, students will be placed in a standards-based curriculum tailored to scaffold the learner to higher levels of language art proficiency. English 4 is required for high school graduation and for admission to colleges and universities. The curriculum in this course prepares students for both the annual state testing and for the California High School Exit Exam (CAHSEE).

315881 English 1 Non-native**(1-Year Course – 10 Credits)**

A student that has been tested for listening, speaking, reading, and writing on the CELDT and scored Level 2 will be placed in English 1 Non-Native (NN1). Level 2 is considered Limited English Proficient (LEP). This course offers accessible, authentic literature with a balance of fiction and nonfiction, including excerpts from novels, short stories, plays, poetry, narratives, biographies, and informational and content-based readings. This course meets English high school graduation requirements.

315882 English 2 Non-native**(1-Year Course – 10 Credits)**

A student that has successfully finished English 1 Non-Native (NN1) or has been tested for listening, speaking, reading, and writing on the CELDT and scored Level 3 will be placed in English 2 Non-Native (NN2). Level 3 is considered Limited English Proficient (LEP). This course offers students the opportunity to increase their vocabulary, reading comprehension, and writing skills through the study and analysis of literature, and provides students with authentic literature, including poetry, narratives, biographies, and informational readings. This course meets English high school graduation requirements.

315883 English 3 Non-native**(1-Year Course – 10 Credits)**

A student that has successfully finished English 2 Non-Native (NN2) or has been tested for listening, speaking, reading, and writing on the CELDT and scored Level 4 will be placed in English 3 Non-Native (NN3). Levels 4 and 5 are considered Fluent English Proficient (FEP). This course provides vocabulary development, grammar skills to master the complexities of English language, building reading power through variety of selections, and writing experience with the modes and forms of writing. This course meets English high school graduation requirements.

**Mathematics****335020 Pre-Algebra****(1-Year Course – 10 Credits)**

This course is designed for students who need further preparation for Algebra 1. Students will review basic mathematical skills needed to solve algebraic functions, inequalities and probabilities.

335040 Algebra 1**(1-Year Course – 10 Credits)****Prerequisite:** Pre-Algebra

This course covers the concepts of basic algebra. Students will study rational numbers and expressions; inequalities; polynomials; factoring; graphs and functions of linear, quadratic and radical equations; basic statistics and probability; and basic functions of trigonometry. All students graduating in 2004 and thereafter must complete Algebra 1 in order to receive a high school diploma.

33519 Real Life Math**(1-Year Course – 10 Credits)****Prerequisite:** Algebra 1**Grade Level:** Recommended 10, 11, or 12th grade

Real Life Math is designed for students who have already passed Algebra 1 and may still need to satisfy graduation requirements in mathematics or require further preparation before taking Geometry. The goal of this course is to help students gain a better understanding of how mathematics plays an integral role in their everyday lives. Some examples are: maintaining a checking account, buying a car, applying for credit, paying taxes, and financing a home. Students will also gain study skills and learn test-taking strategies. It also covers specific concepts needed to prepare for taking the California High School Exit Exam (CAHSEE).

335130 Plane & Solid (P/S) Geometry (1-Year Course – 10 Credits)**Prerequisite:** Algebra 1

This course utilizes logical reasoning skills to solve problems in the areas of segment measurement and coordinate graphing; angles; parallels; triangles and congruence; inequalities; quadrilaterals; proportions and similarity; polygons; circles; surface area and volume; trigonometry; tangents; and proofs. Prerequisite: Algebra 1 with a grade of C or better.

335050 Algebra 2 (1-Year Course – 10 Credits)**Prerequisite:** Geometry

This course focuses on problem-solving through analysis of mathematical functions. Students will study equations and inequalities; graphing and solving linear relations and functions; matrices; polynomials; radical expressions and quadratic, trigonometric, exponential and logarithmic functions; conic sections; and discrete mathematics and probability. Prerequisite: Geometry with a grade of C or better. Meets the University of California "C" and California State University "Math" requirements.

Science**350606 Earth Science (1-Year Course – 10 Credits)****Grade Level:** Recommended 9th grade

This course covers the composition and function of Earth and its relationship to the rest of the solar system and universe. Students will study the planet's composition, surface processes, atmosphere and oceans, geologic time, resources, the environment, as well as the roles of the solar system, galaxy and universe. A study of California geology is also covered.

350105 Biology (1-Year Course – 10 Credits)

This course offers an in-depth look at the human body and its functions. Students will study living organisms, including cellular and molecular biology, genetics, evolution, ecosystems and taxonomic organization.

History / Social Science**355413 World History (1-Year Course – 10 Credits)****Grade Level:** Recommended 10th grade

In this course, students examine major turning points in the shaping of the modern world, with emphasis on historical events from the late 18th century to the present. Students will examine the relationships that exist between current issues and their historical, geographic, political, economics, and cultural background. The course of study begins with a short review of the history of democratic principles and the role revolutions played in the development of Western political thought. Content standard emphasis is placed on the effect of the Industrial Revolution, the patterns of imperialism, the causes and course of World War I, the rise of totalitarian governments, the causes and consequences of World War II, the international developments post-World War II and the development of nationalism in the contemporary world.

355437 U.S. History (1-Year Course – 10 Credits)**Grade Level:** Recommended 11th grade

In this course, students will examine major turning points in American history in the 20th century. Key concepts from 18th and 19th century history will be reviewed. During the year the following themes will be emphasized: the expanding role of the federal government and federal courts; the continuing tension between the individual and the state and between minority rights and majority power; the emergence of a modern corporate economy; the role of the federal government and Federal Reserve System in the economy; the impact of technology on American society and culture; change in the ethnic composition of American society; the movements toward equal rights for racial minorities and women; and the role of the United States as a major world power. Students will examine American culture, and the influence of religion, literature, art, drama, architecture, education and the mass media in the shaping of American history.

355106 Economics (1-Semester Course – 5 Credits)**Grade Level:** Recommended 11th or 12th grade

This course is a study of how individuals and societies organize to meet their needs and wants. Students will take a serious look at microeconomics, macroeconomics, international economics and consumer economics, and study specific topics like the business firm, money and financing, decision-making, supply and demand, GDP, business cycles and economic growth. In this course, students will deepen their understanding of the economic problems and institutions of the nation and the world and learn to make reasoned decisions on economic issues as citizens, workers, consumers, business owners and managers, and members of civic groups.

355315 American Government 12 (1-Semester Course – 5 Credits)**Grade Level:** Recommended 12th grade

In this course, students will apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American government. In addition, they will draw on their studies of American history and of other societies to compare different systems of government in the world today. An exploration of the American Constitution, the Bill of Rights and the principles underlying the system of checks and balances between the branches of government and the relationship between state and local government will be emphasized. Students will reflect on the responsibilities of citizenship and will be encouraged to participate in community activities. This course should be viewed as the culmination of the civic literacy strand that prepares students to be responsible citizens in a constitutional republic.

355205 Geography 12 (1-Semester Course – 5 Credits)**Grade Level:** Recommended 12th grade

Geography presents the planet as a navigable entity. Students will study the Earth and its relationship to the universe and acquire an understanding of natural and physical systems that have shaped and continue to shape planet Earth. The ability to use geographic tools and skills will be presented. Students will gain understanding of human systems and movement and political divisions of Earth. Relationships between the Earth's physical environment, society and culture will be explored. Students will apply geography to interpret the past and present, and to plan for the future.

355604 You and the Law (1-Semester Course – 5 Credits)**Grade Level:** Recommended 12th grade

This course is a study of criminal and civil law. It meets senior social studies elective graduation requirements. Students will study all of the civil and criminal matters that affect them. Students will learn the law as it affects them and their rights, while gaining a better understanding of how the legal system works.

355705 Psychology**(1-Semester Course-5 Credits)****Grade Level:** Recommended 12th grade

This course covers branches of psychological study and inquiry, as well as research methods and statistics. Students will study the human life span, the working of mind and body, learning and cognitive processes, personality and individuality, adjustment and breakdown, and social psychology.

Visual/Performing Arts**330701 Photography I****(1-Year Course – 10 Credits)**

This course gives amateur 35mm photographers an opportunity to better their work and use their cameras more easily. It is written in a logical sequence covering camera basics and special techniques and encourages good pictorial composition. The student must have an SLR 35mm camera with manual settings for shutter speed and aperture size.

360411 Advanced Photography (Digital)**(1-Year Course – 10 Credits)**

Students will explore the technology of the digital camera in the course work. Lessons will help students understand how a digital camera works and how editing software can be used to alter and enhance images. The student will learn to produce quality photos using compositional elements. Students are required to have access to a digital camera.

360506 Beginning Drawing/Painting**(1-Year Course – 10 Credits)**

In this course, students will learn to create various types of art projects, such as: landscape, still life, animal, and figure. They will also explore composition, value, line quality, perspective, depth, and proportion. This course will help develop the student's pencil, paint, pen and ink, brush, and conté crayon skills.

360521 Advanced Drawing/Painting**(1-Year Course – 10 Credits)**

This art course will continue the process begun in Beginning Drawing/Painting, promoting good drawing and painting skills. Students will create drawings from observation and from their imaginations. Portrait drawing, painting, colored pencil techniques, and cartooning are three study units that are fully explored within the lessons. Projects emphasize good composition and organization of design elements. This course is for students who already possess drawing/painting skills or have completed a basic drawing course.

360701 Beginning Commercial Art**(1-Year Course – 10 Credits)**

This course places the student in the role of a graphic designer. Lessons are a variety of projects including developing logos, posters, packaging, and event advertising. Students will expand their visual awareness and connect art with everyday images.



Physical Education

345801 PE 1 **Grade Level: 9th**

(1-Year Course – 10 Credits)

This course will teach and assess the components of physical fitness, exercise techniques and training principles. Students will maintain portfolios, log daily fitness information and develop personalized fitness programs that will promote a healthy lifestyle. A variety of activities will be presented. PE 1 must include a textbook component which will comprise 20% of the grade. For example, students will spend one hour per day, four days a week engaged in physical activities and one hour per week completing textbook activities.

345802 PE 2 **Grade Level: 10th**

(1-Year Course – 10 Credits)

This course emphasizes skills for effective movement and activities that allow students to prepare for a lifetime of physical activity. Students will maintain a daily fitness log of their activities and do monthly reflections.

345803 PE 3 **Grade Level: 11th**

(1-Year Course – 10 Credits)

This course emphasizes skills for effective movement and activities that allow students to prepare for a lifetime of physical activity. Students will maintain a daily fitness log of their activities and do monthly reflections.

345804 PE 4 **Grade Level: 12th**

(1-Year Course – 10 Credits)

This course emphasizes skills for effective movement and activities that allow students to prepare for a lifetime of physical activity. Students will maintain a daily fitness log of their activities and do monthly reflections.

345805 PE 5 **Grade Level: 12th**

(1-Year Course – 10 Credits)

This course emphasizes skills for effective movement and activities that allow students to prepare for a lifetime of physical activity. Students will maintain a daily fitness log of their activities and do monthly reflections.

Computers



310401 Computer Applications

(1-Semester Course – 5 Credits)

This course covers computer applications and how they influence our daily life. Students will work on the three primary applications of computers in today's business world, including word processing, database management and electronic spreadsheet manipulations.



Driver's Education / Health



365105 Driver's Education (1/2-Semester Course – 2.5 Credits)

This “textbook and paperwork” driving course covers the ground rules of road and vehicle safety, with an emphasis on capable and efficient driving. Students will learn the basics of driving a vehicle, interacting with traffic, driving in various environments and climate conditions, road rules, and driver responsibility. At the end of the course, students will be issued a certificate of completion of driver's education. The certificate of completion does not allow the student to begin driving. The student must take the certificate to the Department of Motor Vehicles (DMV) and pass the learner's permit test in order to drive. They must also show proof of being enrolled in a state-approved driving school before taking the test to get their permit. Students must be 14 years of age to take Driver's Education. VIE does not offer the course “Driver's Training.”

365205 Health (1/2-Semester Course – 2.5 Credits)

This course features a holistic approach to a lifetime of healthy, safe living. Students will study the cardiovascular system and nutrition, first aid and safety techniques, and family life, including sex education. Emphasis will be placed on the avoidance of tobacco, alcohol and drugs.

Electives

325701 Clothing/ Fashion Design (1-Semester Course – 5 Credits)

This course introduces students to basic clothing design and construction, as well as fashion design and merchandising. Students will learn about color and pattern coordination and how to accessorize different styles of clothing. Students will research past and current trends in fashion, as well as merchandising in the clothing industry.

300315 Business Tech I (1-Year Course – 10 Credits)

Grade Level: Recommended 9th & 10th grade

This course explores the development of a job search plan, the creation of an effective résumé and the completion of an accurate employment application.

300415 Business Tech II (1-Year Course – 10 Credits)

Grade Level: Recommended 10th grade

This course is designed to assist students in obtaining information about the process, purpose and types of interviews as well as the development of confidence and command of job-interviewing skills and strategies.

365628 Career Exploration (1-Semester Course – 5 Credits)

This course assists students in self-assessment, career exploration, and decision-making through the use of technology and career assessment tools. Students will use inventories to identify and research careers of interest, and to develop strategies and a plan to meet career and educational goals. This course allows students to select activities that best meet career development needs.

325301 Foods and Nutrition (1 Year Course — 10 Credits)

Food and Nutrition focuses on three areas: nutrition, consumer skills, and food preparation. Students will learn the nutritional values of food and how to make healthy choices when eating. They will also learn about shopping for inexpensive nutritious food and making good choices when eating out. The assignments also include cooking activities which will help prepare students to work in the kitchen.

325208 Personal Living Skills (1-Semester Course — 5 Credits)

Personal Living Skills offers students a way to experience life in the real world. The class is divided into 10 unit parts that guide students step-by-step to assume responsibilities they will face once they are actually living on their own. During the course of the simulation, students will find jobs, learn about public transportation, and determine their housing preferences. They find housing, shop for food, and they learn about the importance of housekeeping. They will also create a budget and learn about the different ways to manage their money through cash, checking and savings accounts, and charge accounts.

335013 Corrective Math (1-Semester Course – 5 Credits)

Grade Level: 9th Only

This course stresses the development of the basic mathematical skills necessary for mastery in pre-algebra or algebra. Students will complete extensive reviews in preparation for the California High School Exit Exam (CAHSEE). This course may be repeated.

300096 Exit Exam Math (1-Semester Course – 5 Credits)

Grade Level: 10th – 12th Only

This course stresses the development of the basic mathematical skills necessary for mastery in pre-algebra or algebra. Students will complete extensive reviews in preparation for the California High School Exit Exam (CAHSEE). Prerequisite: Completion of Corrective Math. This course may be repeated.

315421 Corrective Reading (1-Semester Course – 5 Credits)

Grade Level: 9th Only

This course stresses the development of effective reading strategies for students who need to improve reading comprehension, fluency, study skills and vocabulary. Students will complete extensive reviews in preparation for the California High School Exit Exam (CAHSEE). This course may be repeated.

300091 Exit Exam English (1-Semester Course – 5 Credits)

Grade Level: 10th – 12th Only

This course stresses the development of effective reading strategies for students who need to improve reading comprehension, fluency, study skills and vocabulary. Students will complete extensive reviews in preparation for the California High School Exit Exam (CAHSEE). Prerequisite: Completion of Corrective Reading. This course may be repeated.

325209 Life Education and You-Senior Seminar (1 Semester Course — 5 Credits)

This course assists students with: the community college enrollment process; applying for financial aid and other free money; and finding a career of interest. Students have the option of participating in group activities (college campus tour, financial aid workshop, identifying interest and skills) or on an individual basis. This course is intended to be completed in the semester prior to graduation.

325207 Child Development**(1 Year Course – 10 Credits)**

This course offers a variety of individual courses of study designed to help students to: learn about pregnancy as well as labor and delivery; nurture and bond with an infant; learn about infant care topics; with an emphasis on the special needs of very young parents; learn discipline methods used during the first three years; and/or learn about various parenting strategies/techniques that relate to 1-3 year old toddlers. Curriculum was developed for use with pregnant or parenting teens but is helpful for any student interested in Child Development and involved in the lives of children.

300710 Employment Skills 10**(1-Semester Course – 10 Credits)****Grade Level:** 11th and 12th only

This course prepares students for the work world. Students will produce a résumé and cover letter, take part in mock job interviews, fill out job applications, ask for recommendation letters, acquire basic people skills and look into potential jobs in the field of their choice. Minor students (students under age 18) must have a current work permit on file at the VIE office. Students must verify proof of employment with a pay stub issued by employer. See *Parent/Guardian Handbook* for age restrictions. This course meets elective high school graduation requirements. This course may be repeated. **A maximum of 30 credits of any combination of Employment Skills 10 and/or Employment Skills 15 may be applied toward the 220 credits required for graduation.**

300715 Employment Skills 15**(1-Semester Course – 15 Credits)****Grade Level:** 11th and 12th only

The course prepares students for the work world. Students will produce a résumé and cover letter, take part in mock job interviews, fill out job applications, ask for recommendation letters, acquire basic people skills and look into potential jobs in the field of their choice. Minor students (students under age 18) must have a current work permit on file at the VIE office. Students must verify proof of employment with a pay stub issued by employer. See the *Parent/Guardian Handbook* for age restrictions. This course meets elective high school graduation requirements. This course may be repeated. **A maximum of 30 credits of any combination of Employment Skills 10 and/or Employment Skills 15 may be applied toward the 220 credits required for graduation.**

**Plans of Study**

Note: For Plans of Study, the credentialed teacher and student develop an action plan that includes course description, objectives, resources used and assessment.

365606 Community Service**(1-Semester Course – 5 Credits)****Prior Approval by Credentialed Teacher Required**

This course allows students to accrue credits while volunteering service work at any non-profit community organization of their choice. Students will be expected to choose a challenging volunteer job and develop an understanding of how and why that organization operates. A creative and informative portfolio documenting their experience also will be expected at the end of the course. This course may be taken four semesters. This course meets elective high school graduation requirements.

310898 Business Directed Project (1-Semester Course – 5 Credits)**Prior Approval by Credentialed Teacher Required**

Business Directed Project is a broad-based course that covers a variety of subjects in the area of business. Students with a special interest in a specific area of business for which there is no specified curriculum must develop a plan of study. This course may be repeated. This course meets elective high school graduation requirements.

305898 Agriculture Directed Project (1-Semester Course – 5 Credits)**Prior Approval by Credentialed Teacher Required**

Agriculture Directed Project is a broad-based course that covers a variety of subjects in the area of agriculture. Students with a special interest in a specific area of agriculture for which there is no specified curriculum must develop a plan of study. This course may be repeated. This course meets elective high school graduation requirements.

340498 Music Directed Project (1-Semester Course – 5 Credits)**Prior Approval by Credentialed Teacher Required**

Music Directed Project is a broad-based course that covers a variety of subjects in the area of music. Students with a special interest in a specific area of music for which there is no specified curriculum must develop a plan of study. This course may be repeated. This course meets visual/performing arts high school graduation requirements.

360998 Art Directed Project (1-Semester Course – 5 Credits)**Prior Approval by Credentialed Teacher Required**

Art Directed Project is a broad-based course that covers a variety of subjects in the area of art. Students with a special interest in a specific area of art for which there is no specified curriculum develop a plan of study. This course may be repeated. This course meets visual/performing arts high school graduation requirements.

340499 Performing Arts Directed Project (1-Semester Course – 5 Credits)**Prior Approval by Credentialed Teacher Required**

Performing Arts Directed Project is a broad-based course that covers a variety of subjects in the area of performing arts. Students with a special interest in a specific area of performing arts for which there is no specified curriculum must develop a plan of study. This course may be repeated. This course meets visual/performing arts high school graduation requirements.

325998 Home Economics Directed Project (1-Semester Course – 5 Credits)**Prior Approval by Credentialed Teacher Required**

Home Economics Directed Project is a broad-based course that covers a variety of subjects in the area of home economics. Students with a special interest in a specific area of home economics for which there is no specified curriculum must develop a plan of study. This course may be repeated. This course meets elective high school graduation requirements.

310899 Directed Project 5**(1-Semester Course – 5 Credits)****Prior Approval by Credentialed Teacher Required**

Directed Project 5 is a broad-based course that covers a variety of subjects based on interest or academic need. Students with a special interest in a subject for which there is no specified curriculum develop a plan of study in conjunction with the teacher. This course may be repeated. For more specific information and guidelines regarding directed projects, see the *2011-2012 Parent/Student Handbook*. This course may be repeated. This course meets elective high school graduation requirements.

300018 Study Skills**(1-Semester Course – 5 Credits)**

This elective course will familiarize the student with Visions' structure of daily lessons, and gain an understanding of the expected rigor of study and how to work through assignments independently. This course incorporates a variety of skills assessments as well as lessons that go across disciplines. The course includes some of the following:

- Diagnostic tests to help better support the student
- Math lessons/exercises at various levels to determine proficiency
- Daily novel reading with writing activities
- Logging daily physical activity (PE)
- English writing and skills assessment
- Various Social Studies lessons
- Science lessons and activities
- Identify the student's learning style
- Career assessment

This course will give the student and teacher tools to develop an individualized learning plan that will help the student to be successful in our school and beyond!

Visions E.D.G.E (9th & 10th Grade Online Pilot Program)

315811 English 1 (1 Year Course – 10 Credits)

This course focuses on basic language arts, writing, reading, and speaking through inquiry and project-based curriculum. Writing skills stressed are sentence structure, paragraph development, logical thinking, and organization. Literature read in this course includes five literature works per year as well as short stories and poems. Students are expected to meet the California State Standards for Language Arts for grade 9. Students will use a variety of technological tools to find, organize, analyze, synthesize, and present work virtually. Students will work independently and collaboratively to problem solve and demonstrate creativity. Students will master the characteristics of a digital citizen.

315841 Honors English 1 (1 Year Course – 10 Credits)

This class is designed for academically able students. Students will be expected to go above and beyond the general English class assignments (Learning Sets). This course focuses on basic language arts, writing, reading, and speaking through inquiry and project-based curriculum. Writing skills stressed are sentence structure, paragraph development, logical thinking, and organization. Literature read in this course includes five literature works per year as well as short stories and poems. Students are expected to meet the California State Standards for Language Arts for grade 9. Students will use a variety of technological tools to find, organize, analyze, synthesize, and present work virtually. Students will work independently and collaboratively to problem solve and demonstrate creativity. Students will master the characteristics of a digital citizen.

335040 Algebra 1 (1 Year Course – 10 Credits)

This course will focus on the symbolic reasoning and calculations with symbols that are central in algebra. Through the study of algebra, a student develops an understanding of the symbolic language of mathematics and the sciences. In addition, algebraic skills and concepts are developed and used in a wide variety of problem-solving situations. This course will be conducted using the [ALEKS](#) (Assessment and Learning in Knowledge Spaces) online learning system. ALEKS is a Web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics she/he is most ready to learn. As a student works through a course, ALEKS periodically reassesses the student to ensure that topics learned are also retained. ALEKS courses are very complete in their topic coverage and ALEKS avoids multiple-choice questions. ALEKS also provides the advantages of one-on-one instruction, 24/7, from virtually any Web-based computer.

335130 Geometry (1 Year Course – 10 Credits)

The geometry skills and concepts developed in this discipline are useful to all students. Aside from learning these skills and concepts, students will develop their ability to construct formal, logical arguments and proofs in geometric settings and problems. This course will be conducted using the [ALEKS](#) (Assessment and Learning in Knowledge Spaces) online learning system. ALEKS is a Web-based, artificially intelligent assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics she/he is most ready to learn. As a student works through a course, ALEKS periodically reassesses the student to ensure that topics learned are also retained. ALEKS courses are very complete in their topic coverage and ALEKS avoids multiple-choice questions. ALEKS also provides the advantages of one-on-one instruction, 24/7, from virtually any Web-based computer.

350606 Earth Science (1 Year Course – 10 Credits)

Earth Science is a course that integrates the study of the Earth with the characteristics of the solar system and builds upon concepts introduced in middle school science courses. This course includes the study of the Earth including its history, composition, structure, atmosphere, and place in the universe. Students will learn that Earth's surface and atmosphere has changed over time, creating an ideal environment to support life. They will also study the role energy has in supporting life systems on land, in the air, and in the oceans. Students will also explore the universe in which the Earth belongs, and how its strategic location within that universe is perfect to support life. Students build models of objects and events to help them understand processes, systems, and cycles in the natural world. Students will be expected to follow the scientific method for all investigation processes. Students will use a variety of technological tools to find, organize, analyze, synthesize, and present work virtually. Students will work independently and collaboratively to problem solve and demonstrate creativity. Students will master the characteristics of a digital citizen.

355413 World History (1 Year Course – 10 Credits)

Students will study the major turning points that have shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. They will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. They will extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable, and are not practiced everywhere in the world. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students will consider multiple accounts of events in order to understand international relations from a variety of perspectives ("History Social Science Content Standards"). Students will use a variety a technological tools to find, organize, analyze, synthesize, and present work virtually. Students will work independently and collaboratively to problem solve and demonstrate creativity. Students will master the characteristics of a digital citizen.

355414 Honors World History (1 Year Course – 10 Credits)

This class is designed for academically able students. Students will be expected to go above and beyond the general World History class assignments. Students will study the major turning points that have shaped the modern world, from the late eighteenth century through the present, including the cause and course of the two world wars. They will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. They will extrapolate from the American experience that democratic ideals are often achieved at a high price, remain vulnerable, and are not practiced everywhere in the world. Students will develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students will consider multiple accounts of events in order to understand international relations from a variety of perspectives ("History Social Science Content Standards"). Students will use a variety a technological tools to find, organize, analyze, synthesize, and present work virtually. Students will work independently and collaboratively to problem solve and demonstrate creativity. Students will master the characteristics of a digital citizen.

345801 PE 1 (1 Year Course – 10 Credits)

The physical education program is designed to equip students with the knowledge, skills and confidence needed to maintain meaningful physical activity throughout their lifetime. Students will understand the psychological and social components of participation in physical activity. PE 1 will focus on the fundamentals and movement skills in each essential physical education area which will provide students with positive recreational outlets to lead active adult lifestyles. This course will encourage students to initiate and monitor their own participation in physical activity and reflect meaningfully on their progress. This course will follow California State Standards and students will be required to meet the target range on 4 of the 6 physical fitness indicators.

310899 What's My Thing (Directed Project Elective) (1 Year Course – 10 Credits)

This course will focus on helping a student develop an increased sense of connection to themselves, their personal interests and their learning community. Throughout this course, a student will have the opportunity to develop a commitment to taking responsibility for their learning, improve their performance and gain greater awareness of their personal interests as well as how their studies may relate to those interests. The concept is for this course to be the "thread" by which a student may weave their interests and personal abilities into their study of the core subjects. Activities throughout the school year will allow a student to reflect on their prior learning, performance and interests as well as use critical thinking to develop strategies that will enhance their growth both personally and academically. Many of the activities of this class will integrate with those of other subjects such that they will often be seamless in the larger scope of the curriculum. Other times, activities will allow a student to be very specific in looking at themselves (learning styles, personality traits, etc.) such that they gain a greater awareness of how they function best. In the process of completing this course, concepts of character education will be addressed such that this elective will fulfill the CA Education Code for Character Education*.