



California State University
Northridge



SUMMER ACADEMIC ENRICHMENT PROGRAM 2016 COURSE CATALOG

JUNE 20 - JULY 22

*No school Monday, July 4th

GRADES 6-8 AND 9-12 COURSE CATALOG

**STUDENTS FROM ALL SCHOOLS & DISTRICTS WELCOME!
SOME COURSES OFFER HIGH SCHOOL CREDIT!**



saep.net (818) 677-6300 admin@saep.net



YouTube



WHAT IS SAEP?

At SAEP your child's growth will be by design as we focus on academic and character development. We desire to instill and awaken a sense of hope and possibility in each student as s/he studies and learns on a California State University campus. We offer both enrichment and academic classes: our middle school students can take classes for preparation and/or for pleasure; whereas, our high school classes are approved by LAUSD for the A-G Subject Requirements necessary for UC/CSU admission and high school graduation. Thank you for examining our program. We look forward to your child's participation in SAEP.

IMPORTANT DATES TO REMEMBER

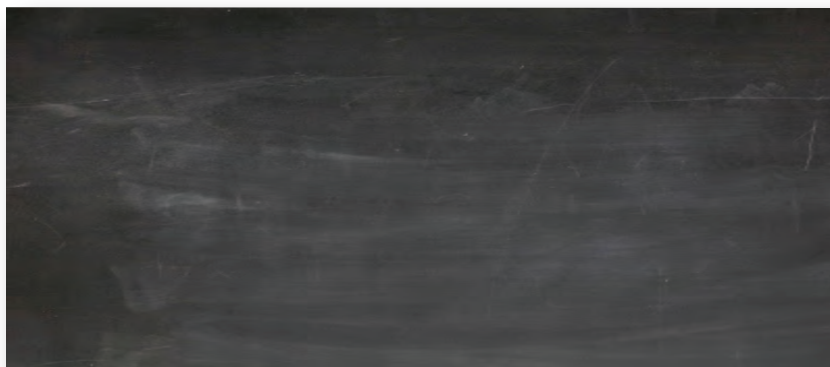
Program Dates: *June 20th - July 22nd*

Registration Opens: *March 1st*

Scholarship App. Due: *May 11th*

Office Hours Begin: *June 1st*

Late Fee Begins: *June 3rd*



Register online at saep.net.

TABLE OF CONTENTS

ARTS - VISUAL & PERFORMING	PAGES 4, 5
COMPUTERS	PAGE 6
FOREIGN LANGUAGE, LANGUAGE ARTS	PAGES 7, 8
MATHEMATICS	PAGE 9
SCIENCE	PAGES 10, 11
SPECIAL INTEREST	PAGES 11, 12

ACADEMIC PROGRAM

AVAILABLE FOR STUDENTS IN GRADES 9-12

PREVIEW COURSES	PAGES 13, 14
SEMESTER COURSES - 5 UNITS	PAGES 15, 16
YEAR-LONG COURSES - 10 UNITS	PAGES 17, 18, 19



Register online at saep.net



ENRICHMENT PROGRAM

AVAILABLE FOR STUDENTS IN GRADES 6-9

Our middle school classes are designed to reinforce and enhance the curriculum of the regular academic school year. In addition, we strive to cultivate positive personal characteristics of students so that they develop a love for learning. With these two goals in mind, we offer three, eighty minute classes in more than 30 different classes. Our hope is that students will find content areas they want to explore and about which they are passionate, facilitating a pleasurable, summer learning experience.

The Enrichment program fee of \$600 includes the tuition for all three classes (plus any associated lab fees). If you choose to do so, you can extend your child's day until 2:00, through the Ad-Venture classes offered this summer.

LEGEND



PERIOD 1 (8:00AM-9:20AM)



PERIOD 3 (11:10AM-12:30PM)



PERIOD 2 (9:30AM-10:50AM)



OPTIONAL AD-VENTURE (1:00-2:00PM)

Some courses listed in this catalog may be full. We reserve the right to change the class times if necessary. Please see the website at saep.net for the most up-to-date schedule information.

ARTS - VISUAL & PERFORMING



Students develop the ability to sing with skill, accuracy, and sensitivity. Students will improve vocal tone quality through breath support and ear training, and will increase his/her skill in sight singing. Students will receive training and practice in ensemble singing in small and large groups, and enlarge their acquaintance with standard choral music, as well as favorite pop songs.



This energetic class offers students training in acting skills (monologues, dialogues, and group scenes from a variety of sources), theater production, and rehearsal techniques, which culminates in a performance before a live audience. This course provides students with the opportunity to study theater through the process of planning, producing, rehearsing and presenting a variety of theater projects, including short plays, scenes and monologues, storytelling and children's theater performances.

DRAWING FUNDAMENTALS



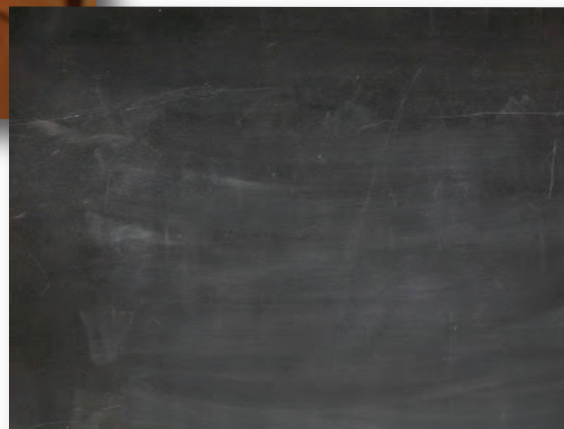
This course focuses on drawing techniques and the development of art skills that are both technical and intuitive. Students will experiment with a variety of media, including pencil, charcoal, oil pastel, and colored pencils. Proportion, values, and color relationships are key skills that will be practiced through a variety of assignments, as well as observations.



UKULELE FOR BEGINNERS



This is a beginning course designed to provide students with the basic skills needed for recreational ukulele playing. Music reading, strumming, and picking techniques will be covered as well as tuning and care of the instrument. Basic instructional materials will be provided but students must bring a ukulele.



COMPUTERS



If you're a fan of animated shows on Cartoon Network or Disney Channel and you've ever thought about creating your own, then this is the class for you! Students will design characters, create storyboards, and learn "pencil test" animation techniques. Participants will also explore the history of the medium and different styles including classic hand-drawn animation, anime, and today's computer-driven 2D animation.

ADVANCED ANIMATION & CARTOONING



Are you an animation aficionado? Do you love to draw, develop stories, use computer programs like Flash, or all of the above? If you've always wanted to the chance to work as part of a team and develop your own animated TV show, Advanced Animation is the class for you! This class skips the basics of animation and immediately allows students to express their creative ability freely while learning more advanced animation techniques and concepts. Students are expected to have completed the basic Animation & Cartooning class or demonstrate equivalent experience.



DIGITAL PHOTOGRAPHY



This course combines the skills of hands-on photography, using digital cameras, and computer knowledge of Adobe Photoshop. The student will learn basic photograph composition, special effect filtering, color correction, framing, lighting effects, resizing, layering, and sharpness. Students will also learn how to find, create, and combine online digital and scanned images, and a variety of photo editing techniques seen in professional work. The student will create a portfolio of original works of art.

SCIENCE, ART & COMPUTER GAMES



Use your creativity, logic and art skills to create computer games using Scratch (scratch.mit.edu). We will explore the science of motion and forces to create computer games, animations and simulations. Discover how to bring your art to life and develop real programming skills. Using the Scratch program from MIT, students will create games and simulations to learn and illustrate concepts in astronomy, biology, and physics. Class will include hands-on science labs and group work and is part of an ongoing research project from the CSUN College of Education.

FOREIGN LANGUAGE



In this American Sign Language course, students will learn the basics of language; be taught simple conversations; and cover topics such as letters, numbers, feelings, yes and no questions, facial expressions, cultural aspects, and more. There is a strong emphasis on learning to sign more fluently.

INTERMEDIATE ASL



This course will continue to build off of vocabulary in order for students to produce sentences and more complex conversations. We will continue to build more understanding of Facial Expressions and grammar in order to not only sign independent conversations, but also produce an ASL story. This course will continue discussions of Deaf Culture and community to recognize what it means to be Deaf.

INTRODUCTION TO SPANISH



This fun, interactive course will introduce students to the Spanish language by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The teacher will provide context and conversational examples for the vocabulary and grammar introduced in each unit. Each unit consists of a new vocabulary theme and grammar concept. These new concepts will be reinforced through a variety of reading and listening comprehension activities, speaking and writing activities, and interactive activities and practices. Students will become familiar with common vocabulary terms and phrases, learn a wide range of grammar patterns, as well as participate in simple conversations and respond appropriately to basic conversational prompts.

LANGUAGE ARTS



This course focuses on writing as an art form. The aspects focused on are narration, plot, theme, description, dialogue, and characterization. These fundamental features of the short story are the focal point of impactful creative writing. The course will be fun, enriching and engaging. The scope and breadth of creativity offered in this course will produce a permanent, life-long experience that will transfer to many other walks of life.

EXPLORING LITERATURE



This course seeks to give reluctant readers lots of practice reading books that do not push them to the top level of their reading skills. Rather, the quality literature is low-stress, offering lots of variety — fiction that will engage their minds and imaginations without over-burdening their concentrations. Challenged readers are likely to become strong and eager readers when they feel that reading is a privilege and not a chore.

READING FOR PLEASURE



Readers in this class will enjoy the opportunity to select novels of their choice to read independently. Tasks will include reflecting on their reading in daily journals and through creative presentations. Students will engage in lively discussions with their peers through teacher directed seminars. They will use their unique perspectives, as developed in the context of their own reading journeys, to inform their perspectives and positions on relevant topics. Students in this class will grow in their understanding of History, the Sciences, the Arts, as well as Philosophy and Ethics as they listen to podcasts, watch TED Talks, and read articles which will appeal to the curious, resourceful minds of young learners.

WRITING 6



This course allows the student to participate in a program of writing activities designed to develop effective writing skills. Both creative and expository writing will be practiced in a variety of assignments. The student will read, analyze and stylistically write in poetic, narrative, expository, and persuasive forms. The application and identification of basic English grammar and vocabulary, as well as proofreading, editing, and the writing process are addressed and reinforced.



This course allows the student to participate in Socratic Seminars (forums) where s/he will generate ideas and learn to dialogue in preparation for in-depth writing assignments. The student will read and analyze numerous texts and identify the organizational patterns as precursors to learning to write clear, coherent and well-focused essays and narratives.

WRITING 8



This course challenges the student to grow in her/his ability to use correct composition grammar, develop strong sentences, build well-structured paragraphs, and, in turn, complete a standard five-paragraph essay. Grammar skills, proofreading, editing, and the writing process are addressed and refined.

MATHEMATICS

Common Core State Standards has changed the way middle schools will be offering math. We have changed our math courses so they are more in line with student interests and abilities. Any middle school student interested in improving his/her mathematical understanding can take Adventures Through Algebra. Students will be placed into specific levels based upon an assessment on the first day of class. (See website for details.) SAEP wants to help students continue to grow and love learning math!



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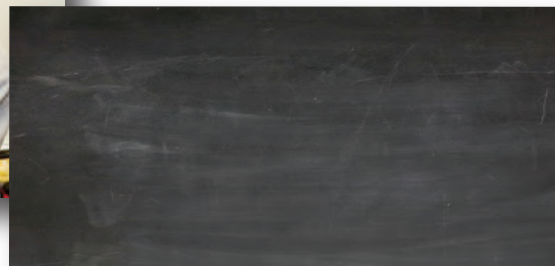
$$\text{Baking Soda } \left(\frac{1}{3} + \frac{4}{6}\right) + \left(\frac{1}{8} \div \frac{7}{8}\right) - 1 =$$

There are four different, ability leveled classes into which students will test. On the first day of school, all students will be given an assessment to place him/her into the appropriate level of class that will provide the necessary understanding of foundational concepts along the path of mastering Algebra. Positive and negative numbers, exponents, and linear equations, slope, linear systems of equations and quadratic equations are among the algebraic concepts that will be assessed, explored and mastered.

MAGIC OF MATH



Students will be given math puzzles, challenges, and new "tricks" and techniques to solve a variety of math problems and be exposed to many math terms and concepts. Students will learn about the life and times of great mathematicians and then explore key concepts, principles, and formulas introduced by the featured master. Students' problem solving skills will be strengthened as they examine different discoveries in mathematics. The students will use experiments and manipulatives to demonstrate the formulas, theories, shortcuts, or alternate approaches suggested by famous mathematicians.



SCIENCE



Have you ever looked around you and wondered “How does that happen?” Do you know how electricity is generated and transported? How is an image in one place in the world seen in another in real time? How do instruments create music? Why is ice the only solid that floats in its liquid form? Why is the sky blue but sunsets are red? How is ice skating or bicycling possible? How do people of different weights balance on a seesaw? These are just a few of the possible topics discussed in this hands-on science course. Students will explore theory and then look at practical examples of science in action.

MYTHBUSTERS



What are MythBusters? It's a tough job separating truth from legend, but that is the purpose of the MythBusters. In this exciting class, students do hands-on experiments that test popular myths and detect what is real and what is fiction. Students will hypothesize and then perform precise tests to "Prove" or "Bust" myths. This class helps students understand how applying the scientific method to problem solving can be fun, exciting and really cool.

ROBOTICS



Our robotics class is an excellent way for students to see the practical application and interconnections of Science, Technology, Engineering, and Math (STEM). Students will learn to build VEX robots with emphasis on construction and design, in addition to programming. We have found VEX to be challenging yet accessible to students of different skill and knowledge levels. Students will get real-world experiences and develop self-confidence as they collaborate in teams and engage in a variety of competitions to test the designs and construction ability.



ROCKETS & ROLLERCOASTERS

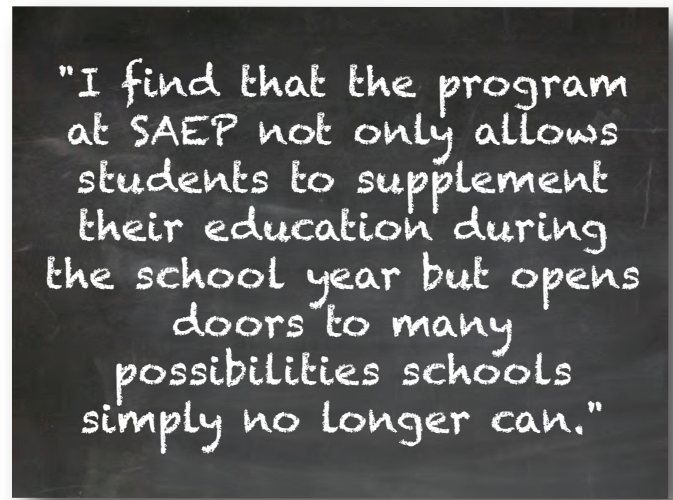


Want to know what it takes to be a rocket scientist or a roller coaster engineer? During this class, students will discover engineering challenges while building their own rockets and roller coasters. This class will help students learn about scientific problem solving and the exploration of several science themes. What more can you ask for while learning about the physics of flight, forces and motion?

SCIENCE OLYMPIAD



Science Olympiad is a science investigation class based on the content and competitions of the National Science Olympiad. The class is designed for the student to explore and apply scientific knowledge and concepts for team competition. Projects involve scientific problem solving, real-life applications of science concepts, and research and exploration of science concepts. The class will also help students learn how to problem solve as a scientific team in order to complete tasks efficiently and successfully.



SPECIAL INTEREST

LEADERSHIP SKILLS



This course will help students develop leadership styles, characteristics, and skills by working independently as well as cooperatively in groups. We will focus on communication, goal-setting/attainment, public speaking, and values of successful leaders. Perfect for students interested in planning school activities, events, and participating in student leadership opportunities. Students will become more confident, have fun, and make new friends all at the same time!

PUBLIC SPEAKING



This course will develop and improve public speaking, argumentation, and critical-thinking skills in various communication settings. Students will prepare and deliver speeches that inform, persuade, or entertain. Techniques will be taught to control speech anxiety. The fundamentals of physical and vocal delivery skills, use of language and gesturing, as well as listening skills will be learned. Students will practice structuring and organizing information effectively for oral presentation before a variety of audiences. Structuring and organizing speeches will also involve practicing transferable writing skills.



SPEECH & DEBATE



This course will develop and improve public speaking, argumentation, and critical-thinking skills in various communication and debate settings. Students will deliver speeches and participate in various types of in-class debates, mock trials, and forums on current topics. Students will learn the fundamentals of verbal and nonverbal communication, physical and vocal delivery, as well as identifying logical fallacies. Students will practice researching, structuring, and organizing information effectively for formal debate. Writing, listening, and note-taking skills will also be emphasized and developed.



"In a few hours, he learned so much!"

STUDY SKILLS



It is never too late to learn! This course is designed to help students improve in a variety of areas, including: listening; speaking; reading; writing; note-taking; studying for tests; critical thinking; time management; memorization techniques; goal-setting and various organizational strategies.

Our Academic Program is for high school students seeking to earn high school credit during the summer, or to prepare them for those "tough" classes with our preview courses. The Academic Program has two distinct paths. A student can either enroll in one year-long course, or two semester long courses. When completed, the year-long course will have earned your student 10 units.

The semester long courses are either credited classes, or preview classes. The credited classes have been approved through LAUSD as UCOP accepted A-G courses. All LAUSD high schools are required to accept these courses as meeting your student's high school graduation requirements. The preview courses do not earn students credit, but rather are designed to give students an edge in upcoming classes they may be taking in the fall next year.

SEMESTER-LONG PREVIEW COURSES*

*NO CREDIT GIVEN

LEGEND



Please see the website at saep.net for a more detailed course description and the district approved syllabus.

ALGEBRA I REVIEW



This course is for the student who has taken Algebra I and yet still struggles with mastery of the concepts, or the student who has not yet taken Algebra I. Material covered: writing, solving, and graphing linear and quadratic equations, systems of equations, functions, solving inequalities and factoring polynomials.

ALGEBRA II PREVIEW

SI

Pre-requisite: Successful completion of Algebra I. This course reinforces and expands on concepts of Algebra I, giving your child a better edge in mastering Algebra II. This course exposes the student to a broad range of topics as it challenges the student to interpret written problems and to write proofs.

CHEMISTRY PREVIEW

Giving students an opportunity to excel when taking Chemistry in the fall, this course reviews important mathematical skills necessary to succeed in Chemistry, such as Algebra skills, and dimensional analysis. It also introduces concepts of Chemistry, by exposing students to a broad range of topics including: qualities, relationships, and transformations of the many substances that comprise our environment, atomic structure, the behavior of gases, liquids, solids, and solutions; chemical reactions; periodicity of elements; chemical bonding; bases, oxidation. This course will be taught with the goal of producing confident students who will find success in their chemistry class, whether it is an AP, honors or CP level course.

GEOMETRY PREVIEW

Pre-requisite: Successful completion of Algebra I. This course reinforces skills from Algebra I and introduces new skills from Geometry. It also develops logical thinking by providing the basics of deductive and inductive reasoning.

STUDY SKILLS

It is never too late to learn! This course is designed to help students improve in a variety of areas, including listening, speaking, reading, writing, note-taking, studying for tests, critical thinking, time management, memorization techniques and goal-setting.

PRE-CALCULUS PREVIEW

This course reinforces and expands on concepts of Algebra II, giving your child a better edge in mastering Pre-Calculus. This course exposes the student to a broad range of topics as it challenges the student to interpret written problems and to write proofs. Topics include: polynomial equations and inequalities; functions and their inverses; imaginary and complex numbers; linear, quadratic polynomial and rational functions and their graphs; logarithms and exponentials; systems of equations and radical equations. The material is presented through teacher-directed lessons, and the student is expected to derive answers analytically, numerically and graphically. There will be daily homework and frequent tests and quizzes to evaluate your child's progress.

SAT PREP

This course is designed to prepare students for the SAT exam by developing their skills in math, critical reading, and writing. Students will practice problem-solving strategies, as well as review the academic skills tested on each of the three sections. Topics covered will include Algebra I/II, Geometry, Trigonometry, Probability/Statistics, English grammar rules, and reading comprehension. Students will also learn techniques for brainstorming and writing a persuasive essay, recognizing word roots, and building vocabulary.

SEMESTER-LONG COURSES 5 UNITS

SI PERIOD 1 (8:00AM-10:30AM) PERIOD 2 (10:45AM-1:15PM)

Please see the website at saep.net for a more detailed course description and the district approved syllabus.

CREATIVE DIGITAL WEBFOLIO

S2

This course is designed to meet the graduation requirements for Computers. Please consult with home school for official permission. Course/Material Fee: \$25.00

Creative Digital WebFolio brings cutting-edge computer skills to the high school classroom and makes it accessible to both intermediate and advanced computer users. Students taking Creative Digital WebFolio will cover all the LAUSD skills requirements embedded in the classic "Introduction to Computers" course while nurturing the creative and real-world experiences in the digital world.



HEALTH

SI

Health is designed to inform students about the skills and knowledge necessary to maintain all aspects of health. Throughout the course, the students will explore: heredity; nutrition; reproductive health; physical environment; health care; and lifestyle choices' effects on an individual's health.

LIFE SKILLS

S2

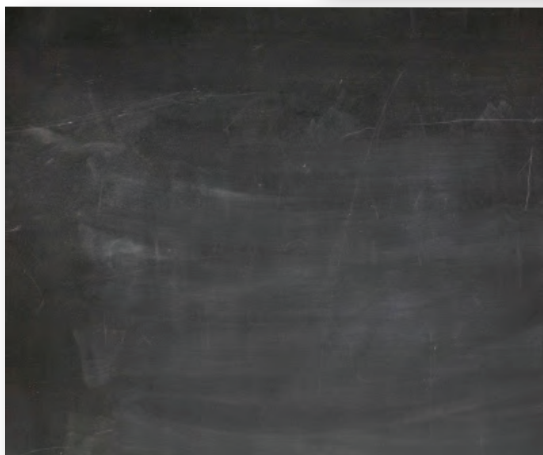
A-G Subject Area Fulfillment: Meets one semester of the (G) Elective graduation requirement. This class will look at seven essential life skills for the high school aged student: goal setting, planning and scheduling, managing money, studying, staying healthy and safe, decision making and prioritizing, and interpersonal communication. Topics such as identifying personal stressors and how to manage and prevent stress will be covered. Students will discuss the value and strategies for managing personal health behaviors as well as evaluate the influences that community and environmental conditions have upon students.

SPEECH AND DEBATE A

SI

A-G Subject Area Fulfillment: Meets one semester of the (G) Elective graduation requirement. The major purpose of this course is to offer instruction in the fundamentals of effective oral delivery, including body control, use of voice and diction, and analysis of audience. Instruction stresses organization, selection, and arrangement of material, and use of transitions and rhetorical effects in making brief speeches to inform, persuade, or entertain. Supporting material, methods of research, critical thinking, logical argumentation, parliamentary procedures, and effective language are applied in learning discussion and debate techniques. Students learn to structure ideas and arguments in their speeches in a sustained, persuasive, and sophisticated way and support them with precise and relevant examples.

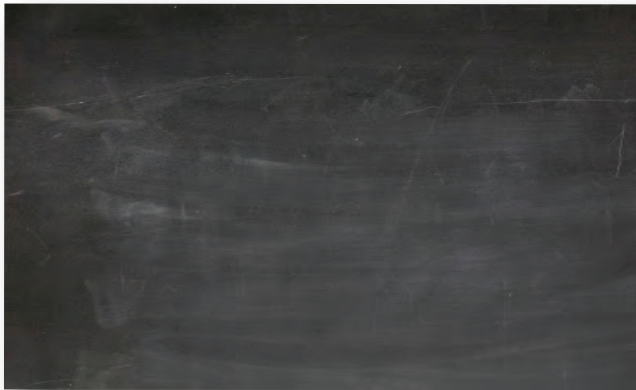
"I definitely learned a lot more than I thought would be possible to learn in only five weeks. The teacher taught the course material very thoroughly which made the subject easier to understand!"



YEAR-LONG COURSES 10 UNITS - TWO SEMESTERS

All Day (8:00AM - 1:15PM)

A-G Subject Area Fulfillment: Meets two semesters of the (E) Language other than English graduation requirement.



SPANISH II AB

Pre-requisite: C or better in Spanish IAB. A-G Subject Area Fulfillment: Meets two semesters of the (E) Language other than English graduation requirement.

SPANISH III AB

Pre-requisite: C or better in Spanish IIAB. A-G Subject Area Fulfillment: Meets two semesters of the (E) Language other than English graduation requirement.

ALGEBRA I AB

A-G Subject Area Fulfillment: Meets two semesters of the (C) Mathematics graduation requirement.

ALGEBRA II AB

Pre-requisite: C or better in Geometry or Algebra I AB. A-G Subject Area Fulfillment: Meets two semesters of the (C) Mathematics graduation requirement.

CALCULUS AB

Pre-requisite: C or better in Math Analysis/Trigonometry. A-G Subject Area Fulfillment: Meets two semesters of the (C) Mathematics graduation requirement.

GEOMETRY AB

A-G Subject Area Fulfillment: Meets two semesters of the (C) Mathematics graduation requirement.



A-G Subject Area Fulfillment: Meets two semesters of the (C) Mathematics graduation requirement. This is a rigorous course designed to complete a year-long Pre-Calculus class during our 5-week summer school. Thus the students are taught at an accelerated pace and should expect to have a minimum of 1 hour of homework each night. In order to be successful in this course, students need a strong background in Algebra 2 and a consistent work ethic. Be aware that the course is not an introduction to Pre-Calculus. If your child needs to complete just one semester of this course, you may register for just that one semester. However, there is no fee reduction. Also, if your child only needs to take the second semester, we recommend that your child attend the first semester as well to help prepare them for the second.

SCIENCE 10 UNITS

A-G Subject Area Fulfillment: Meets two semesters of the (D) Lab Science graduation requirement.

CHEMISTRY AB

A-G Subject Area Fulfillment: Meets two semesters of the (D) Lab Science graduation requirement.

VISUAL ARTS 10 UNITS

A-G Subject Area Fulfillment: Meets two semesters of the (F) Visual and Performing Arts graduation requirement.

LANGUAGE ARTS 10 UNITS

AMERICAN LITERATURE

This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. This course will focus on the study of American literature where students will not only become aware of the great, controversial, and beautiful ideas contained in America's literary history, but also examine the interactions between the writers' purpose, subjects, and audience expectations. Assignments will consist of expository, personal, and persuasive writing, oral expression, vocabulary development, and research and analysis. Most writing assignments and projects will involve an exploration and analysis of rhetorical and linguistic choices as well as literary, cultural, and historical topics germane to American literature from the Puritan to the Modern Era.

The Summer Academic Enrichment Program (SAEP) has been serving middle and high school students that live in the area that surrounds California State University, Northridge since 1979. Our goal is quite simple: we want the children who pass through our program to be better people--academically and personally--for having come our way. We believe that children, because of their organic nature, are grown, and we want to provide the optimal place for good growth to happen.

**Thank you for considering SAEP.
Where learning spends the summer!**



California State University
Northridge

Register online at saep.net