



California State University  
**Northridge**



## SUMMER ACADEMIC ENRICHMENT PROGRAM 2014 COURSE CATALOG

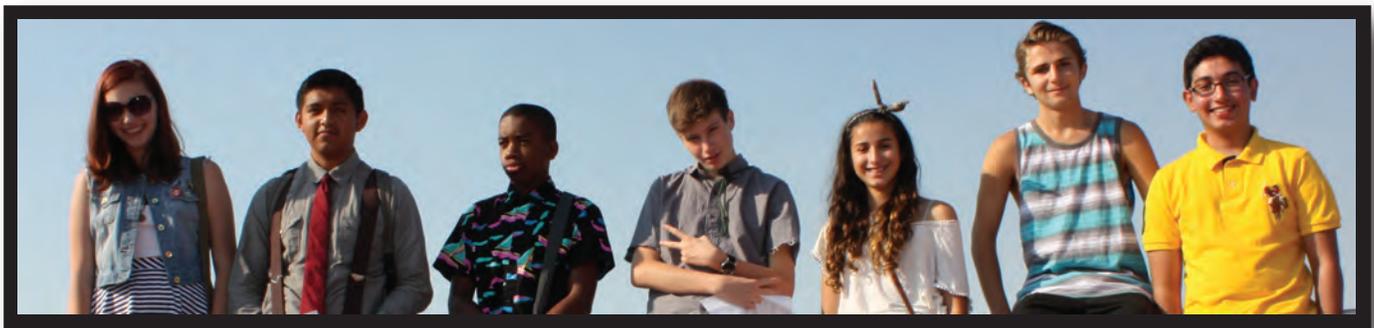
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**JUNE 23 - JULY 25**

\*No school Friday, July 4th

**GRADES 6-8 AND 9-12 COURSE CATALOG**

**STUDENTS FROM ALL SCHOOLS & DISTRICTS WELCOME!**



[www.saep.net](http://www.saep.net)

(818) 677-6300



# 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 23 - July 25*

Registration Opens: *March 1st*

Scholarship App. Due: *June 2nd*

Office Hours Begin: *June 2nd*

Late Fee Begins: *Friday, June 6th*



"No matter how many times I attend orientation with each of my kids I am always blown away by how well run everything is."

Register online at [www.saep.net](http://www.saep.net).

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Register online at [www.saep.net](http://www.saep.net)



# ENRICHMENT PROGRAM

AVAILABLE FOR STUDENTS IN GRADES 6-8

Our middle school classes were designed to reinforce and enhance the curriculum of the regular academic school year. In addition, we strive to cultivate the personal characteristics of the student so that they develop a love for learning. With these two goals in mind, this year we are transforming our traditional enrichment program to one that provides new choices for our students. Instead of offering two, two-hour classes, we will now have three, hour and twenty minute classes. We believe this will sharpen student's focus and increase their engagement, as well as giving them additional subject matter choices. By having more choices, it increases the probability that your student will find content areas they are passionate about and make summer learning a pleasurable 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 (8:00-9:20AM)



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



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



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 [www.saep.net](http://www.saep.net) for the most up-to-date schedule information.*

# ARTS - VISUAL & PERFORMING



## EXPLORATORY ART



This course introduces the student to the principles of design through an exploration of significant historical art and art movements--from the earliest art to the 21st century. The student will then experiment with different media in creating art in the style of the movements studied. The assignments will use a variety of art mediums in order to gain an understanding of the different expressive qualities of those materials.

## THEATER GAMES

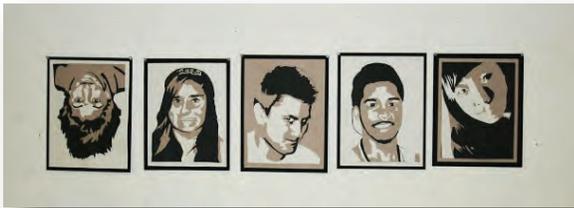


Come to this fun and interactive class and develop techniques for comedic timing, dynamic storytelling, and animated performing. Not only will you have fun, but these skills are useful in learning and living. Expect the unexpected as you are challenged to think quickly, play improvisational games, and stretch your imagination!

## 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.



"SAEP is an excellent program! My children have taken classes last year and are looking forward to this year."

## MUSICAL THEATER



This energetic class offers students extensive training in acting skills, dance, voice, theatre production, and rehearsal techniques, which culminates in a performance before a live audience.

## GUITAR FOR BEGINNERS



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



## DRAMA WORKSHOP



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 or children's theater performances.

# COMPUTERS

## ANIMATION & CARTOONING



If you ever wondered how Disney or DreamWorks make their animated features, then this is the class for you. Students will design a character, create a storyboard, and learn “pencil test” animation techniques. Participants will also explore the history of animation and the different styles of cartooning and animation including Anime, Stop, Action, and CG.

## 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 other beginning to intermediate photo editing techniques. The student will create a portfolio of original works of art.

## SCIENCE, ART & COMPUTER GAMES



GIRLS ONLY



REGULAR



ADVANCED

Use your creativity, logic and art skills to create computer games using Scratch ([scratch.mit.edu](http://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.

## 3-D MODELING & ANIMATION



This course teaches the student how to develop and animate digital models and simulations using the award-winning software application, Maya. The teacher will give step-by-step instructions to insure successful student achievement in the design and creation of modeling and animation within the 3-D environment. Examples will be given to inspire the student’s imagination, as well as to facilitate the learning of the concepts of 3-D. The teacher will explain the science, mathematics and computer principles behind the different concepts, enabling students to successfully apply the new knowledge in different subject areas.



# FOREIGN LANGUAGE

## INTRODUCTION TO SPANISH



This class introduces active conversation and everyday aspects of the contemporary Spanish-speaking world. Four basic language skills are taught and practiced: understanding, speaking, reading, and writing.

# LANGUAGE ARTS

## READING POWER



This course is designed for students reading at- or above- grade level. Vocabulary development, comprehension, study skills, and speed-reading will be stressed. The focus will be on improving reading proficiency and skills through challenging and pleasurable methodologies. Daily home reading required.

## 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. Homework.

## WRITING 7



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. Homework.

"My daughter absolutely ADORES her teacher, and I, as both an educator and a parent, am VERY impressed by how thorough, engaging, and respectful the teachers are."

## AS THE PAGE TURNS



This course seeks to give weak and 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. Struggling readers are likely to become strong and eager readers when they feel that reading is a privilege and not a chore.

## CREATIVE WRITING



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 & 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.

## 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. Homework.

# MATHEMATICS

**Common Core** has changed the way middle schools will be doing math. For the most part, 8th graders will no longer be taking Algebra. For this reason, our Algebra I Preview class is now a high school course, because it is freshman who will be taking Algebra I AB. We have changed our math courses so they are more in line with student interests. As the state and districts change, SAEP wants to help students continue to grow and love learning math!

## MATH COUNTS



A solid foundation in the concepts of mathematics is essential for success in middle school and high school math. Join us as we review and preview key concepts, engage in problem solving word problems and realize meaningful applications of new-found math skills. Math-related games will also be used to foster appreciation of subject matter.

## MAGIC OF MATH



Enjoy math games, riddles, and puzzles as you learn and apply problem solving strategies. Mind-stretching activities will sharpen your math skills with mental arithmetic and paper/pencil tasks. We will watch the stock market and learn how to spend and save money.

## ALGEBRA IN ACTION



This course is for the student who has not taken Algebra I. The material covered includes: basic skills for solving equations and inequalities, which includes operations with polynomials; factoring; fractions; graphing; systems of equations; and functions. Homework.

## GEOMETRY SKILLS



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. Homework.

"I have attended SAEP at Northridge before and I loved it! I was a C math student and became an A in Honors thanks to my teacher!"

# SCIENCE

## MYTHBUSTERS



What are MythBusters? It's a tough job separating truth from legend, but that is the purpose of the Myth-Busters. 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 problems solving can be fun, exciting and really cool.

## 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.

## 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?

## HOW THINGS WORK



Have you ever looked around you and wondered how does that happen? Do you know how electricity is generated and transported? How an image in one place in the world can be seen in another in real time? How instruments create music? Why ice is the only solid that floats in its liquid form. Why the sky is blue but sunsets are red? Why ice skating or bicycling is 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.

## 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.



"I find that the program at SAEP not only allows students to supplement their education during the school year but opens doors to many possibilities schools simply no longer can"

# SPECIAL INTEREST

## HISTORY'S MYSTERIES



In this class, students will get the chance to experience “living history” through creative and exciting ways. Various types of active learning simulations and activities, and hands-on investigations will be used. Students will gather, analyze, and interpret evidence while participating in the events. Students will engage in several happenings that have shaped our world and country. Historical background, geography, and biographies will be used as a springboard for each historical period or event studied.

## 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.

*"In a few hours, she learned so much!"*

## 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 and participate in various types of in-class debates and forums on current topics. Techniques will be taught to control speech anxiety. Students will practice structuring and organizing information effectively for oral presentation before a variety of audiences. The fundamentals of physical and vocal delivery skills, use of language and gesturing, as well as listening skills will be learned.

## GREEK TO ME



Students will learn about Greek culture, mythology and the origins of theater in Ancient Greece. They will also rehearse and perform a play about Greek mythology.

## 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!

# ACADEMIC PROGRAM

AVAILABLE FOR STUDENTS IN GRADES 9-12

Our Academic Program is for high school students seeking to earn high school credit during the summer. 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 earn the student 5 units each. All of the Academic classes (with the exception of the Math Preview and the SAT Prep courses) 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.

## SEMESTER-LONG COURSES 5 UNITS

### LEGEND

S1

PERIOD 1 (8AM-10:30AM)

S2

PERIOD 2 (810:45AM-1:15PM)

Please see the website at [www.saep.net](http://www.saep.net) for a more detailed course description and the district approved syllabus.

# COMPUTERS 5 UNITS

## CREATIVE DIGITAL WEBFOLIO

S1



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 with one main difference: students will predominantly be using their new skills to create their own creative applications.

## WEB DESIGN

S2

This course is designed to familiarize students with the creation and management of web pages and web sites. Students will learn basic html structure and formatting, web page creation using Macromedia Dreamweaver, and image creation and alteration using Macromedia Fireworks. The student will culminate his/her learning by creating his/her own personal website. The student will also create a flash animation movie.



## LANGUAGE ARTS 5 UNITS

### SPEECH AND DEBATE A

SI

A-G Subject Area Fulfillment: Meets one semesters of the (G) College Preparatory Elective graduation requirement.

### JOURNALISM A

S2

A-G Subject Area Fulfillment: Meets one semesters of the (G) College Preparatory Elective graduation requirement.. Course/Material Fee: 25.00

## MATHEMATICS 5 UNITS

### MATH ANALYSIS/TRIGONOMETRY PREVIEW

SI

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.

## GEOMETRY PREVIEW

S1

S2

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. Homework.

## ALGEBRA I PREVIEW

S2

This course is for the student who has not taken Algebra I. The material covered includes: basic skills for solving equations and inequalities, which includes operations with polynomials; factoring; fractions; graphing; systems of equations; and functions.

## ALGEBRA II PREVIEW

S2

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.

"My children loved it! I was very pleased with their progress and credit SAEP for providing the rigorous academic reinforcement needed over the summer recess."

# SOCIAL SCIENCES 5 UNITS

## PSYCHOLOGY

S1

A-G Subject Area Fulfillment: Meets one semester of the (G) College Preparatory Elective graduation requirement.

# SPECIAL INTEREST 5 UNITS

## HEALTH

S1

This health class 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.

## SAT PREP

S2

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. Note: As the changes to the SAT will not take effect until Spring 2016 administrations, this course will focus on preparation for the current SAT.

## VISUAL & PERFORMING ARTS 5 UNITS

### GUITAR A

SI

A-G Subject Area Fulfillment: Meets one semester of the (G) College Preparatory Elective graduation requirement.

## YEAR-LONG COURSES 10 UNITS - TWO SEMESTERS

All Day (8:00am - 1:15pm)

## VISUAL & PERFORMING ARTS 10 UNITS

### DRAWING AND PAINTING AB

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

### THEATER ENSEMBLE AB

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



# FOREIGN LANGUAGE 10 UNITS

## SPANISH I AB

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.



# LANGUAGE ARTS 10 UNITS

## ENGLISH 9 AB

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

# MATHEMATICS 10 UNITS

## ALGEBRA I AB

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.

## ALGEBRA II AB

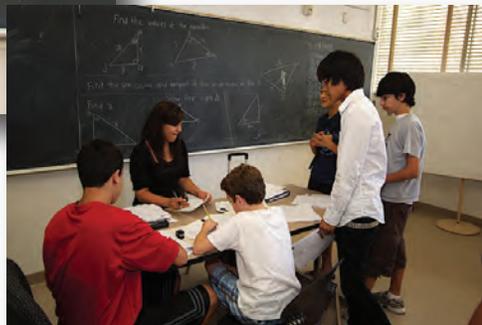
Pre-requisite: C or better in Geometry or Algebra I AB. A-G Subject Area Fulfillment: Meets two semesters of the (C) Mathematics graduation requirement.

## MATH ANALYSIS/TRIGONOMETRY

Pre-requisite: C or better in Algebra II. 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.



# SCIENCE 10 UNITS

## BIOLOGY 9 AB

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.

## PHYSICS AB

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



"I just wanted to let you know that we are so very impressed with how well run SAEP is! No wonder everyone sends their kids back Summer after Summer. You keep us well informed with the orientation & emails, and classes are always on schedule."

Register online at [www.saep.net](http://www.saep.net)