



California State University
Northridge



SUMMER ACADEMIC ENRICHMENT PROGRAM COURSE CATALOG

GRADES 6-8 AND 9-12 COURSE CATALOG

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



Last updated February 2017.

Please note that not all courses in catalog are offered every summer. Visit the website for the most current summer schedule.

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 2017 DATES TO REMEMBER

Program Dates: *June 19 - July 21, 2017*

Registration Opens: *March 1st*

Scholarship App. Due: *May 18th*

Office Hours Begin: *June 1st*

Late Fee Begins: *June 2nd*



Register online at saep.net.

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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 courses. 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 \$625 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.

IMPORTANT INFORMATION

Please note that not all courses listed in this catalog are offered every summer.

Some courses listed in this catalog may be full.

We reserve the right to change the class times if necessary.

Visit the website at saep.net for the most current class schedule.

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.

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 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 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.



PHOTOGRAPHY & PHOTOSHOP



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

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

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 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.

MOVIE MAKING

Lights! Camera! Action! This dynamic class offers students the foundation for bringing their imagination to life using the art of film. Utilizing technology found on most smart phones, students will conceive, plan and create a short film in a group environment and create scripts and storyboards to execute their own ideas at home. Young filmmakers will learn the fundamentals of the movie making process and what goes into bringing a great story to life on the screen. Students will take on roles as actors, directors, and participants across the spectrum of bringing a movie from pre-production to screening it for an audience.

READER'S THEATER

Students become excited and enthusiastic about reading when they are presented with the opportunity to participate in Reader's Theatre. In this class, students will develop scripts, perform in groups, and practice using their voice to depict characters from texts. Through this activity, students have the opportunity to develop fluency and further enhance comprehension as well as gain confidence in their reading abilities.

READING PERSPECTIVES

In this exciting and engaging course, students will read and interact intensively with literary works, particularly focusing on *Hiding Place*. Students will broaden his/her world view and understanding of self through learning about the interconnectedness between the themes of literature, psychology and explore human characteristics, such as charity, generosity and compassion. Students will be given safe opportunities to enjoy literature through interactive partner and group activities, compelling classroom discussions, and a variety of mechanisms to explore and express their own perspectives and points of view.

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.



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.

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!



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.

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.



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ENRICHMENT COURSES (GRADES 6-9) CONTINUED...

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?

LIFE SCIENCE

Life science is the study of living things that include the topics of biology, zoology, botany and health. Students will learn about environmental and global issues which affect our world, they will explore cellular organelles as they prepare specimens and observe them under the microscope. Students will also experiment genetic crosses to study DNA and its role in heredity.

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!

LOGIC DECATHLON

Logic Decathlon is designed to teach students how to solve a wide variety of logic problems including verbal logic, quantitative reasoning and nonverbal logic. It is a course that will help students hone in on critical thinking skills through games, puzzles and riddles, such as sudoku, cryptograms, spatial reasoning, lateral thinking and logic matrices. Each Friday, we will hold a "Decathlon" in class to encourage speed, precision, and success, while focusing on teamwork and collaboration; a much needed experience for all learners. Logic Decathlon will enhance essential thinking skills that are found in many academic disciplines, including mathematics and science.



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.

AD-VENTURE COURSES

AVAILABLE FOR STUDENTS IN GRADES 6-9

Interested in extending your child's day from 12:30- 2:00? Add on Ad-Venture classes; they are exciting, fun, and can be tailored to meet your scheduling needs. Each Ad Venture class is one week long. We encourage you to enroll in a variety of classes so your child can experience Ad-Venture to its fullest. You can enroll in one week or all five weeks; whatever fits your needs. Each class/week is \$50, so pick and choose as you wish. (Typing is the only 5 week long course. Cost: \$250)

AD-VENTURE COURSES

*NO CREDIT GIVEN

*Please note that not all Ad-Venture courses listed are offered every summer.
Visit the website at saep.net for the most current class schedule.*

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. Course/Material Fee: \$25.00

INTRODUCTION TO ASL

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.

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.

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 while using 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.

ROCKETS AND ROLLER COASTERS

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?

STORY SCORING

Join us as we explore the intersection of music and literature. We will be learning how to write music and score some of our favorite short stories using percussion instruments such as drums, shakers and boom wackers. No previous music experience? No problem, we start with the basics of what notes are and how to read music. Previous music experience? Great! Those skills will help as we compose together. This is a fun, interactive and creative class that you will not want to miss out on!

TYPING

Proper typing skills?!? Here's your chance! For 5 weeks, your child will learn a skill that is no longer taught formally in most schools and yet it is still necessary in today's world of technology. Learning how to type is a foundational skill needed to efficiently write all the essays and papers that teachers require. This course starts with finger placement and provides an overview of how to type different letters, numbers, and symbols quickly, accurately, and without looking at a keyboard. The students will enjoy watching their measured growth in both speed and accuracy over the duration of this class.

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



Please note that not all courses in catalog are offered every summer. Visit saep.net for the most current summer schedule.

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

Pre-requisite: Successful completion of Algebra I and Geometry. 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



Please note that not all courses in catalog are offered every summer. Visit saep.net for the most current summer schedule.

CREATIVE DIGITAL WEBFOLIO

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.



SPEECH AND DEBATE A

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.



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YEAR-LONG COURSES 10 UNITS - TWO SEMESTERS

All Day (8:00 a.m. - 1:15 p.m.)

FOREIGN LANGUAGE 10 UNITS

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



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.

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!**

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