



Thousand Oaks High School



Science + Technology = FUN!

Become a member of

*** 9th grade STEM ***

(Science, Technology, Engineering & Math)

A new program will be offered in Fall 2012 for 9th grade students enrolled at Thousand Oaks High School. The main purpose of this new program is to help provide a supportive environment for college-bound freshmen during their transition into high school, particularly if they are interested in technology.

Activities:

1. Write computer programs to analyze lab data and to reinforce students' understanding of Geoscience and mathematical concepts
2. Create WIKI's that support students' mastering of Geoscience content standards
3. Integrate MS Word, MS Excel and MS PowerPoint with the Geoscience curriculum to support the development of students' communication skills
4. Submit comments to an online blog as another way for students to communicate their thoughts and ideas

Benefits:

1. Small learning community (two classes with the same students who share a common interest in science and technology)
2. Learn skills that can lead to a career that is in high demand
3. Earn "UC-g" elective credit

Who is eligible? Incoming 9th graders must register for the following classes:

Geoscience CP

Computer Programming 1 (CTE elective)

Algebra I CP or Geometry CP

Online Health (or complete Health during summer school)

How to join? Fill out an application and turn it in to your middle school science teacher.

Space is limited, so apply soon if you are interested!

Questions? Contact:

Mrs. Frohn (rfrohn@conejousd.org) or Mrs. McNamara (pmcnamara@conejousd.org)

Course Descriptions

GEOSCIENCES CP

The study of geosciences involves the physical study of Earth and the rest of the universe. Included are Earth's place in the universe, dynamic Earth processes, energy in the Earth system, biogeochemical cycles, the structure and composition of atmosphere, and the geology of California. Investigations include exploring the physical, chemical, and biological interactions that explain phenomena and features of our planet and its surroundings.

COMPUTER PROGRAMMING 1

This course provides students with an introduction to computer programming. Through hands-on instruction, students will learn how to plan and create their own Windows applications using a language called Visual Basic. Students will also be introduced to game programming.

9th Grade STEM

Students enrolled in this program will follow the course descriptions listed above in an integrated course block in which the classes are scheduled one after the other.