



Outdoor Education

Each year the Math Academy takes a trip to a destination where students are given the time to team build and do some hands on education in all academics. Past trips have included:

- **CIMI - Catalina Island Marine Institute**
- **PALI - Outdoor Education Camp**
- **JPL**
- **Life Science and Cabrillo Marine Aquarium**
- **Will Gear Theater Shakespeare**
- **BODY WORLDS @ the CA Science Center**



Hands on Learning

HOW TO APPLY

- Fill out online application.
- Upload 4th & 5th grade report cards and
- Make sure email is legible on the online application. You will be notified by email about your **ACCEPTANCE** approximately in APRIL
- Take the Math Academy Exam 2/5/19 at 2:30pm
- Application is your registration for the test



MILLIKAN MATH ACADEMY

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Millikan Math Academy



High Honors All Academics



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Small Learning Community

Millikan Math Academy is a 3 year program that places students in **ALL HIGH HONORS ACADEMIC COURSES**. It is designed for students who excel in mathematics and wish to advance their content understanding through games, projects and problem solving through cooperative and independent “**PROBLEM OF THE WEEK**” (POW) format. POWs enrich conceptual understanding of the standards and logical reasoning.

Pre-Requisites:

6th Grade – Pre-Algebra or Algebra Placement

- Pre Algebra/Algebra Placement Exam
- Scores of mostly 4's on current report card
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7th Grade – Algebra

- Algebra Readiness Exam
- Recommendation from 6th grade teacher
- No D's, F's, U's in all courses
- Positive Role Model

8th Grade – GEOMETRY

- Success in Algebra of A or B
- No D's, F's, or U's in all courses
- Positive Role model

All Math courses will be scheduled for 1 ½ hours during the math course and homeroom.

All students will travel together as a core to all **HIGH HONORS ACADEMIC COURSES**.

Test Dates: Check Math Academy Website

Q&A

Do Math Academy students have electives? All students in the Math Academy do get to take an elective. In 6th grade they have the option of taking the wheel or Music. Students may be part of the performing arts academy as well if they are in Music.

Do the Math Academy Students use technology and engineering in the classroom STEM? Students are given the opportunity to present all projects as screencasts, podcast, film, power points, smart board activities or on paper. Technology is used through out the 3 years as well as, concepts or engineering are stressed in Geometry on such project as bridge building competitions

What kinds of games or hands on Math Academy Students partake in? Virtual stock market game where student are given a virtual 100,000, Mystery of the missing Laundry graphing activity, building polyhedrons out of toothpicks and gumdrops and deriving formulas that relate the vertices, faces and edges.

WHAT IS PI DAY? PI day is the day we celebrate math at Millikan. Math Academy sponsors a memorization contest. Last years 1st place winner memorized 1106 digits. 1st place earns \$314.00. CBS, ABC, and daily news were all there to celebrate.