

All high school students planning a college education should take one year of biology, one year of chemistry, and ONE YEAR OF PHYSICS.

Source: "Statement on Preparation in Natural Science Expected of Entering Freshmen," authored by the Academic Senates of the California Community Colleges, California State University, and the University of California [emphasis added]

PHYSiCS

you don't want to miss it

LIES! ALL LIES!

**The Earth is farther from the Sun in winter
Franklin's kite was struck by lightning
Astronauts in space are weightless
Mirages are psychological
Metal objects are magnetic**

PHYSiCS

you don't want to miss it

Y H P

z C i z

ti szim ot tnew t'nob uoy

How do 3D movies work?

Why are there colors in soap bubbles?

Why can't the coyote ever catch the roadrunner?

Which sunglasses work best?

What's the best color to paint your house?

Why is the sky blue?

PHYSiCS

you don't want to miss it

How do rainbows work?

**How can you survive if your
parachute doesn't open?**

What is lightning and how can it be avoided?

**If a tree falls in a forest and there's no one around,
does it make a sound?**

PHYSiCS

you don't want to miss it

Do these things:

Bring joy to a fourth-grade student

Play catch with a raw egg for points

Share a shock with a whole class

Use your thumbnail to make plastic talk

Stand your hair on end with
e l e c t r o s t a t i c c h a r g e

PHYSiCS

you don't want to miss it

YOU WILL SEE

Someone dip their hand into molten lead and pour liquid nitrogen into their mouth!

Ice being used to start fire!

Magnetic levitation! *And much more!*

AP PHYSiCS 2

you don't want to miss it

WHICH PHYSICS is right for you?

PHYSICS

Math Prereq: Algebra 1
Physics is a first-year, college-prep course that fulfills UC science requirements. Topics include motion, forces, energy, momentum, waves, sound, light, electricity, magnetism, and optics. No math beyond Algebra 1 needed. A great class for students preparing for college.

AP PHYSICS 1

Math Prereq: Algebra 2
AP Physics 1 is a first-year, Advanced Placement course. Topics include Mechanics, energy, momentum, rotation, waves, and circuits. Students will be prepared to take the AP Physics 1 exam. THIS IS AMONG RIO'S MOST CHALLENGING COURSES. STUDENTS WHO DO BEST ARE THOSE ENROLLED IN CALCULUS.

AP PHYSICS 2

Physics prerequisite:
Physics or AP Physics 1
Math Prereq: Algebra 2
AP Physics 2 is a second-year Advanced Placement course. Topics include fluids, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. Students will be prepared to take the AP Physics 2 exam.

P H Y S I C S
you don't want to miss it