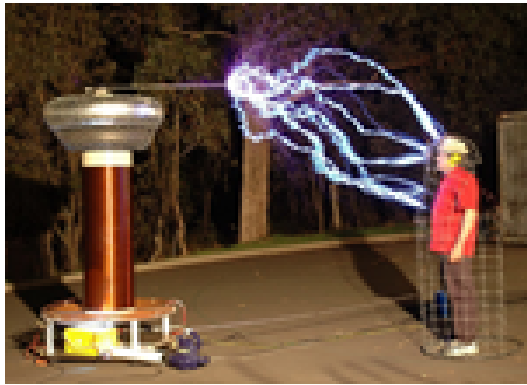
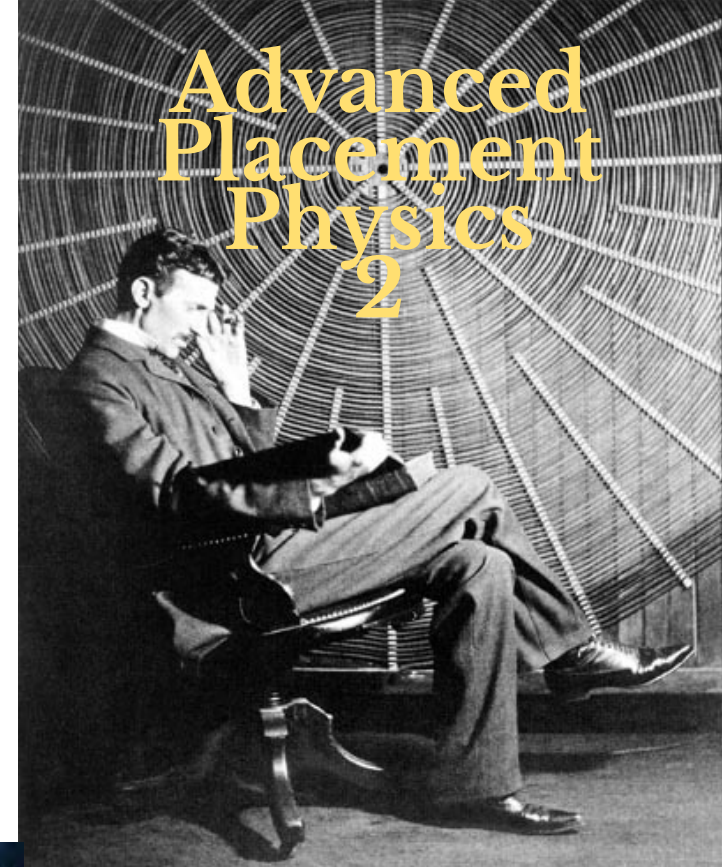


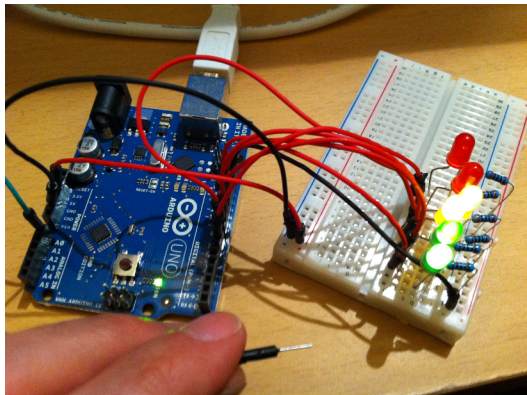
Electrostatics



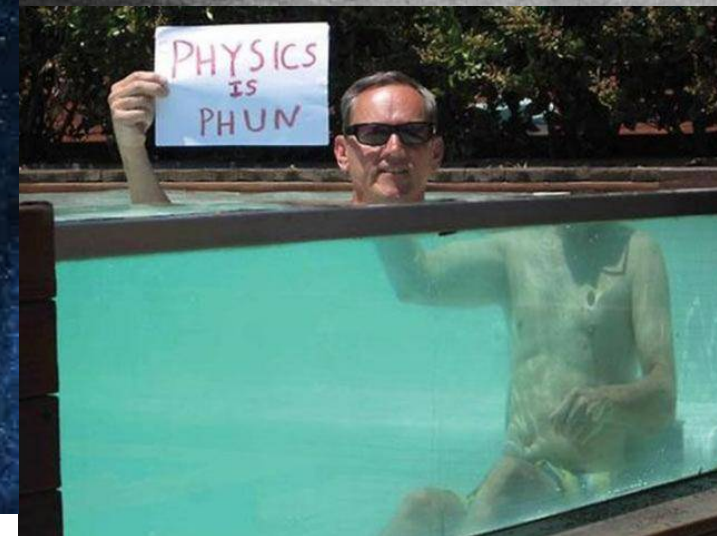
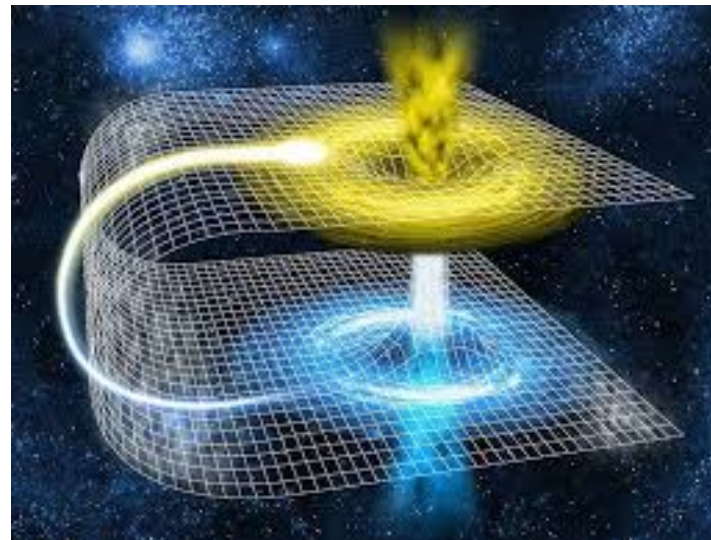
Optics



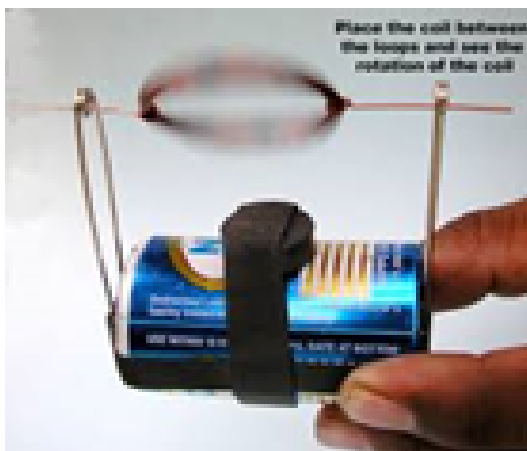
Electric Circuits



Modern Physics



Magnetism and EM



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Poly High School 5450 Victoria Avenue
Riverside, Ca 92506

With Mr. Lowry in Room 803
See your counselor
and sign up now!

What is AP Physics 2?

Advanced Placement Physics 2 is a college level physics course covering a variety of topics, some of which are not covered in college prep physics. These topics include:

- **Fluids**-the behavior of gases and liquids
- **Electrostatics**-how electric charges interact with one another and the outside world
- **Electric Circuits**-how electric pathways are created in electronic devices and how the various circuit elements (resistors, capacitors, switches etc. work)
- **Magnetism & Electromagnetic Induction**-how magnetic forces are created and interact with their surroundings. How electric motors and generators work.
- **Optics**-how lenses are used to manipulate light as well as the general properties and behaviors of light waves (reflection, refraction, diffraction, interference)
- **Modern Physics**-the study of wave particle duality, photons (light), photoelectric effect, Compton scattering & x-rays, radiation, nuclear physics, and fusion and fission, mass and energy equivalence ($E=mc^2$)

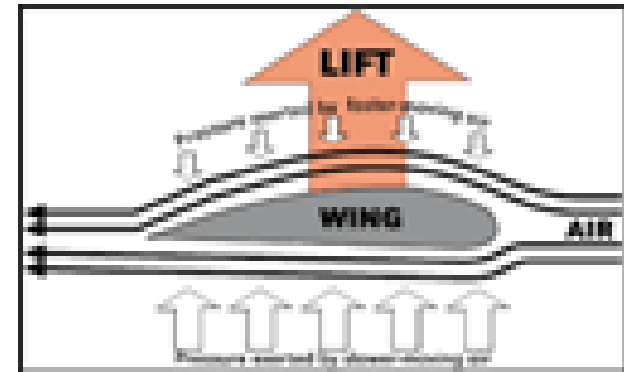
Who should take AP Physics 2?

- Students who have completed math 3 or above
 - AP Physics 1 is **not** required to take AP Physics 2.
- Students who want to challenge themselves.
- Students who want to know more about the world around them.
- Females
 - The world desperately needs more women in the engineering and science fields. *Opportunities for scholarships and priority college admissions are frequently provided as incentives for females majoring in physics and engineering.*

Why should you take AP Physics 2?

- AP Physics 2 meets A-G requirements.
- AP Physics 2 makes you more attractive to university admissions, job recruiters, and that cutie in the third row you've had your eye on.
- AP Physics 2 will help you get a better score on any test that has 3 or 4 capital letters (SAT, ACT, GRE, MCAT, LSAT).
- The laws of physics are 100% recession proof and the jobs you can get with physics (astronomer, astronaut, consultant, engineer, meteorologist, physicist, programmer, teacher, to name a few) are pretty secure too.
- If you get stuck inside a black hole you will know how to get out.

Fluids



Thermodynamics

