

What is Physics?

Physics the study of the structure and function of the universe. From motion and forces, to electricity and magnetism, to heat and light - physics explains it all!

Why Take Physics?

If you:

- want to know more about the universe and how things really work.
- ···want to pursue a career in engineering, chemistry, physics, medicine, or computer science.
- ...want a fun science class that shows you how math is used and explains how the world works.

Did You Know?

- A major portion of the medical school entrance exam (MCAT) is physics-based?
- Physics is the most useful class for would-be engineering students? (Your entire career is based on it!)
- Many advanced math topics were developed so that physicists could to their work.
- Physicists work in many fields including materials science, food science, engineering, medicine, video games and more?

What Classes Does Borah Offer?

- Regular/" Conceptual" Physics: This class is for those that just want to try out the basics.
 The math is minimal and covers motion, forces, energy, momentum, electricity, magnetism, and waves.
 - (Must have a C or better in Integrated 1 and be taking Integrated 2 or higher.)
- **AP Physics 1:** This is the first AP Physics class for students who are ready to engage in a higher-level, faster-paced physics class. This class covers motion, forces, energy, momentum, rotation, oscillatio0ns, and fluid mechanics at the college level. (*Must be taking Integrated III or higher.*)
- AP Physics 2: This class continues the work of AP Physics 1 and convers electricity, magnetism, light and optics, thermodynamics, and modern physics topics including quantum mechanics and nuclear physics. (Must have taken AP Physics 1 and be in Pre-Calculus or higher.)
- AP Physics C: This is college physics with calculus and is the highest-level physics course offered in the district. It covers mechanics and electricity and magnetism, and great for would-be engineers, physicists, and mathematicians. (Must be in AP Calculus AB or have completed it.)

As an Incoming Sophomore, What Might My Physics Journey Look Like?

If you are going to take Integrated Math 2 as a Sophomore:

- Sophomore Year Regular Physics
- Junior Year AP Physics 1
- Senior Year AP Physics 2

If you are going to take Integrated Math 3 as a Sophomore:

- Sophomore Year AP Physics 1
- Junior Year AP Physics 2
- Senior Year AP Physics C

If you are going to take Pre-Calculus or higher as a Sophomore:

- Sophomore Year AP Physics 1
- Junior Year AP Physics 2 OR AP Physics C
- Senior Year AP Physics C (If not completed already!)

More Questions? Contact Mr. Jordan at taylor.jordan@boiseschools.org.

