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# *preAP* PHYSICS I

## Brief Description

### PREREQUISITES

- Minimum requirement: *preAP* track plus concurrent enrollment in *preAP Algebra II* or *College Algebra*
- Good Algebra skills are a big plus in this course
- This course requires long-distance runners, not sprinters
- As your instructor, I will do whatever it takes to help you excel in this course, but the ultimate responsibility for your success rests with you
- I'm committed to work extremely hard for you, how about you?

### COURSE DESCRIPTION

- Physics is the study of not just *how* but *why* things work the way they do in the natural world around us
- You are expected to participate **very actively** in all aspects of the learning process and be **engaged** at all times
- *preAP* Physics I major topics include: **Kinematics, Dynamics, Work & Energy, Linear Momentum, Rotational Motion, Waves, Electrostatics, DC Circuits.**

### GENERAL COURSE OBJECTIVES

In this course I strive to help you to:

- develop **character, discipline, work ethic, and organizational skills**
- develop understanding and proficiency in the various concepts of physics
- develop skills in thinking systematically and critically, using precise logic
- develop a multi-representational approach to physics concepts
- not least of all, appreciate the beauty of physics