

AP Physics 1 Summer Assignment Introduction

Welcome to AP Physics 1! This summer, you are required to complete the assigned reading to prepare for the engaging and challenging journey ahead in our physics course. The reading will cover fundamental concepts that are crucial for your success in this class. As you read, I strongly encourage you to take detailed notes. These notes will not only help you grasp the material better but also serve as a valuable resource for the upcoming quiz on the first day of class.

In addition to the reading, a list of specific topics is provided below to guide your focus and ensure you understand the key areas. While the questions at the end of each chapter are not mandatory, I highly recommend attempting them to reinforce your learning and gauge your comprehension of the material.

By diligently completing this assignment, you will enter the class well-prepared and ready to tackle the challenges of AP Physics 1. Enjoy your summer reading, and I look forward to seeing you in class!

Chapter 1:

- The international System of Units
- Standard units of measurements for length, time and mass
- Reading and understanding prefixes for SI Units
- Chain link converting for both
- Speed of light
- Using scientific notation
- Approximations of time, distance and mass

Chapter 3

- Difference between vectors and scalar quantities
- Define Displacement
- Resultant Vector
- How do add vectors Geometrically
 - Drawing to scale
- Vector Components
 - Breaking vectors into components
 - Making vectors out of the components
 - Adding vectors by components