

AP Physics Summer Work

Congratulations for being chosen for AP Physics. There are three reasons why you are given this summer packet. The first reason is the time factor. We have a great deal of information to cover before the AP test in May. The summer packet allows us to complete chapters one and two in the first week of school. This will put us ahead of schedule. So, if there is a topic later on that you do not feel comfortable with, then we can spend more time on it. The second reason for the summer packet is to help you to retain physics information and problem solving skills. When you come back in September you shouldn't be as rusty at solving problems. The third reason for the summer packet is for you to show me some level of commitment. The AP test is not easy. It will take a fair amount of studying during the year in order for you to perform well on it. The summer packet shouldn't be that difficult or take up too much of your time. It is just enough for me to get an understanding of your level of dedication to the class.

In addition to the summer packet, you must sign up for the AP Physics summer enrichment. The summer enrichment will be held from August 18th through August 22nd. We will meet from 10:00 AM – 12:00 PM in room 220 (computer lab). If you have a conflict with this week, then you must come see me immediately. **The summer assignment is due on Friday August 22nd.** If you are going away on vacation that week, then you have two options. You may drop it off at the school before you leave or you may mail it to the school. One day of summer enrichment will be devoted to solving problems like the ones assigned on the summer packet. The rest of the week will cover modern physics which we did not have time to address in CP Physics.

The AP text book is accompanied with two very good student resources. The study guide and the website give detailed explanations along with pictures and graphics to explain most of the concepts in chapters 1 or 2. The text, website and study guide also have example problems for to use to help with the summer assignment.

Have a great summer.

Mr. Seaman

Summer Work:

Chapter 1

Pages 19 – 23: Conceptual: 1, 3, 5, 9 Problems: 2, 4, 6, 7, 13, 14, 22, 24, 26, 30, 32, 41, 43

Chapter 2

Pages 48 – 52: Conceptual: 2, 3, 4, 9, 12 Problems: 5, 6, 12, 20, 22, 24, 28, 38, 44, 48, 57, 60