

## AP Physics C - Summer Assignment

Welcome to AP Physics C! This summer assignment will provide a background for some of the physics that we are going to learn next year. It is primarily related to math that you will be required to know. You are asked to read two chapters in the textbook – Chapter 1, Physics and Measurement, and Chapter 3, Vectors. There will be selected problems at the end of each chapter that you need to complete.

**Textbook** – Serway and Jewett. *Physics for Scientists and Engineers*, 6<sup>th</sup> edition. (2004) Thomson Brooks / Cole.

The textbook will not be distributed before next year, so please get a copy of the applicable chapters from Miss Rodeheaver in C-143 or find them online.

**Problems to complete:** Do the selected problems from the textbook. Copies will be distributed at the same time as the textbook, or can be found on the Woodson website.

When completing problems for AP Physics, please show all work **neatly** on notebook paper. To receive credit for the assignment, all work must be shown, including any equations you use. It is helpful to follow some problem solving steps when going through problems. They are as follows:

1. Read the problem
2. Write down what you are given
3. Write down what you are solving for
4. Choose the correct equation based on information given and information you are solving for
5. Plug in the numbers and solve
6. Write down the answer, including correct units; circle this answer

I will always give you answers to problems that I assign, so you can check your work. However, showing work is required to get any credit, so make sure you show all steps that you do! You can reach my by email (I will periodically check my email over the summer) if you have any specific questions.

I am really looking forward to next year and getting to know all of you!

Thanks!

Miss Martha Rodeheaver

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