

2017 Summer Assignment

AP Physics 2

We will use a new textbook (Cutnell & Johnson, Physics, 10th edition) next year. Please complete the following assignment. For those who took AP Physics 1, most of this should be review – with a different book and different problems. For those who took Physics Honors, this is new material that you need to learn before the start of the course.

Simple Harmonic Motion:

- Read Chapter 10
- Focus on Concepts Questions: all
- Problems: 1 – 11 odd, 15 – 23 odd, 25 – 39 odd, 43 – 49 odd, 75 – 85 odd (answers to odd problems in back of book)

Waves and Sound:

- Read Chapter 16
- Focus on Concepts Questions: all
- Problems: 1 – 9 odd, 13 – 21 odd, 25 – 29 odd, 31 – 47 odd

Electrostatics:

- Read Chapter 18
- Focus on Concepts Questions: all
- Problems: 1 – 7 odd, 9 – 25 odd, 29 – 49 odd

DC Circuits:

- Read Chapter 20
- Focus on Concepts Questions: all
- Problems: 1 – 7 odd, 11 – 19 odd, 23 – 31 odd, 41 – 47 odd, 51 – 59 odd, 63 – 85 odd

This assignment is due August 3, 2017. When the course is available in Canvas, I will put the assignment in Canvas. The format for the submission is a PDF. You do not have to do the assignment on your iPad. I actually encourage you to use paper, photograph your assignment and submit as a PDF. Your work that you submit should be your final product – neat and coherent – not a draft with several attempts.