

PHYSICS 151

READING ASSIGNMENT FOR

AUGUST 24, 2012

- 1.4 - A sense of scale
- If you have a good working knowledge of significant figures, scientific notations, the S. I. system of units, and unit conversions this section is complete review. If you are weak on any of these areas, please read them carefully.
 - Estimation - not something I find important. You may skip.

- 1.5 - Vectors and motion
- Know the difference between a scalar and a vector
 - Magnitude - the number associated with a vector
 - Vectors as arrows - very important
 - Displacement vector - points from the initial to final position
 - Vector addition - we'll do this in more detail in chapter 3. Read over to get familiar with the concept.
 - Vectors and Trig. - also in chapter 3. If this section and examples make sense, you have enough trig. for this class. If not, this is what you'll need to know.
 - Velocity vectors - point in the direction that an object is moving in
 - *For uniform motion*, velocity is in the same direction as the displacement vector
 - Including velocity on motion diagrams