Things to do: Week 2

Learning Objectives:

Students will:

- Understand basic properties of waves
- Understand the difference between longitudinal and transverse waves
- Understand the basic phenomenon of resonance
- Be able to use the Doppler Effect to predict changes in frequency of a sound wave
- Understand how the 6 threshold concepts relate to waves in air and solids

Reading

Chapter 8: Sections 8.10 to 8.14

Reading and Online Material Quiz

NO reading quiz

"Look ahead":

- Answer the questions on the "Look ahead to Week 2" quiz on WO.
- Answer these questions based on the Learning Objectives, readings and online content. *You will need a total of* ***10*** *items.* So the number of items you have for questions 1-3 should add up to 10, not 10 per question!
- **DUE Sunday by MIDNIGHT.**

Pre-lab assignment:

Complete the "Waves: What Are They?" assignment.

DUE Monday at class.

Lab - Monday: Waves in Solids (Slinkys)

There is no formal lab to read.

Lab - Wednesday: Waves in the Air (Sound)

There is no formal lab to read.

Reflections from Week 1 - **DUE Wednesday of week 2**

See Lab Report Instructions

Week 2 Lab Report - **DUE Wednesday following lab week**

See Lab Report Instructions

Muddiest Point quiz (optional)

- Are there things that are still confusing to you from last week?? Do you have questions?
- If so, let me know using the Muddiest Point quiz
- **DUE Sunday by Midnight**