

At home edition, print version

Directions for completing Physics assignments for Week 1 (April 6- April 10)

There are a total of 4 assignments. Complete as you see fit. You will 100% have to read things (maybe multiple times, which is okay!). Please, please, please, read carefully and put away distractions so you can absorb as much of this information as possible.

Assignment #1: Read from your textbook Unit 7 Explain section 1 Classifying waves.

Read the section classifying waves and respond to the questions in that section. You do not have to do the labs in this section

You will have to tear out these pages and bring them to the office to show completion.

Assignment #2

Read the pdf of lecture notes: Waves Introduction and answer the following questions/tasks on a separate piece of paper.

1. Make a model of a water wave. Correctly Label the crest, trough, amplitude, wavelength of the wave.
2. What is the medium of a wave?
3. What does a wave carry from one place to another?
4. Does a wave displace the matter it is travelling through?
5. How are the amplitude of a wave and the amount of energy it is carrying related?
6. What is the equilibrium position of a wave?
7. In a paragraph, describe the similarities and differences between transverse and longitudinal waves?
8. What is the distance between successive crests called on a position verses time graph?
9. What is the measurement called between two successive crests on a y-position as a function of x-position?
10. What types of waves are described by a density verses time graph?
11. What is the relationship between frequency and period?
12. What can change the speed of a wave?
13. If a wave has a wavelength of 2.0 meters and a period of 0.10 seconds, what is the speed of the wave?

If you have any questions email me at penningtons@luhsd.net or use our remind.