

Rio Americano High School Physics

PHY.09 Waves and Sound

[3/9/18]

1. M 3/12 – Introduction to Waves

- __ Springboard: Introduction to Waves
- __ TechLab Springboard: High Quiet Low Loud
- __ Read Guide: Making Waves 1 & 2
- __ Complete Job: Wave Basics
- __ Complete Q&P < > Due _____

2. T 3/13 – Vibrations and Sound

- __ Demonstration: Slow-Motion Wobbler
- __ Demonstration: Bell Jar
- __ Demonstration: Science is Fun!
- __ Read Guide: Making Waves 3 & 4
- __ Complete Q&P < > Due _____

3. W 3/14 – Waves Film

- __ Mechanical Universe: *Waves* (College)
- __ Complete Q&P < > Due _____

4. r 3/15 – Waves Simulation

- __ PhETLab: Water Waves in an Electric Sink
- __ Read Guide: Wave Anatomy
- __ Examples: Waves
- __ Complete Q&P < > Due _____

5. F 3/16 – Hewitt on Vibrations and Sound

- __ CPA: *Vibrations and Sound I*
- __ Prelims: Connect the Dots
- __ Complete Q&P < > Due _____

6. M 3/19 – Waves of Candy!

- __ Lab: Connect the Dots - Build
- __ Complete Q&P < > Due _____

7. T 3/20 – Candy Waves

- __ Finish Lab: Connect the Dots
- __ Read Guide: The Speed of Sound
- __ Demonstration: Wave Machine 1
- __ Complete Q&P < > Due _____

8. W 3/21 – Shock and Bow

- __ Demonstration: Moving Sources
- __ Video: Shock Waves and Sonic Booms
- __ Complete Q&P < > Due _____

9. r 3/22 – Hewitt Again

- __ LabQuiz: Wave Activities
- __ CPA: *Vibrations and Sound II*
- __ Complete Q&P < > Due _____

10. F 3/23 – Seeing Sound

- __ TechLab Springboard: See Sounds
 - __ Complete Q&P < > Due _____
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11. M 4/2 – TCJ Day

- __ TCJ Quiz PHY.07 + TC Journal PHY.08
- __ Homework PHY.09 return
- __ PracTest (Online)

12. T 4/3 – Test PHY.09: Waves & Sound

W 4/4 - EXPLORATORIO 2018

Conceptual Physics Textbook: Chapter 25 (Waves), 26 (Sound)

Hewitt Drew It Physics Screencasts – SOUND: Vibrations and Waves, Sound

Make up Unit Test PHY.08 as soon as possible; no later than F 3/16 to maintain TCJ eligibility. If the missed unit test isn't made up by this unit's TCJ Day, it will have to be made up during final exams. The TCJ for PHY.07 must be completed prior to the PHY.08 TCJ Journal Day.