Rio Americano High School AP Physics 1

AP1.10 Waves & Resonance

[WASC+3/6/20]

1. M 3/9 – 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 < >	7. T 3/17 – Shock and BowDemonstration: Moving SourcesVideo: Shock Waves and Sonic BoomsComplete Q&P < > 8. W 3/18 – Superposition and Interference
2. B1 3/10 – Vibrations and Sound Demonstration: Slow-Motion Wobbler Demonstration: Bell Jar Complete Q&P < >	Read Guide: HarmonicsDemonstration: Wave Machine 2Springboard: Interference in One DimensionComplete Q&P < >
3. B2 3/11 – Waves Simulation PhETLab: Water Waves in an Electric Sink Read Guide: Wave Anatomy Examples: Waves YTHW: Mechanical Universe E18: Waves Complete Q&P < >	9. r 3/19 – Beats by dbTLSB: Wah-Wahs & Touch TonesYTHW: Mechanical Universe E17: ResonanceComplete Q&P < > 10. F 3/20 – The Speed of Sound in Room B8Lab: Fork it Over
4. r 3/12 – Vibrations and Sound Demo: Back Masking+Science is Fun! Read Guide: Making Waves 3 & 4 Complete Q&P < >	Complete Q&P < > 11. M 3/23 – Interference in Two DimensionsSpringboard: Interference in 2 DimensionsComplete Q&P < >
5. F 3/13 – Conceptual Physics Alive Hewitt: Vibrations and Sound I Read Guide: The Speed of Sound Complete Q&P < >	12. T 3/24 – Wrap-Up TCM Test Correction Mastermind AP1.09 – SHM 13. W 3/25 - Test AP1.10: Waves+Resonance
6. M 3/16 – Candy Waves _Lab: Connect the Dots _Demonstration: Wave Machine 1 _Complete Q&P < >	

Essentials of College Physics Textbook: Chapter 13 (Waves), 14 (Sound)

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

*Make up Unit Test AP1.09 SHM as soon as possible; no later than F 3/20. AP make up tests are administered in two parts during ExploratoRio Season: one for multiple choice; one for free response.