

Physics



Sound, Waves & Energy Transfer

Physics Curriculum

Power Objectives

P.O.# 4: Apply a wave phenomena to analyze mechanical and electromagnetic energy. (P.O. #4 Proficiency Rubric)

Academic Vocabulary

- ☐ antinode
- ☐ constructive interference
- ☐ consonance
- ☐ crest
- ☐ decibel
- ☐ destructive interference
- ☐ dissonance
- ☐ interference
- ☐ Doppler shift
- ☐ longitudinal wave

- ☐ mechanical wave
- ☐ harmonic
- ☐ node
- ☐ standing wave
- ☐ surface wave
- ☐ transverse wave

Enduring Understandings

Students understand that...

- Utilize the elementary description of wave motion and its relationship to sound in solving problems.

Essential Questions

- Can you explain and apply wave phenomena in order to analyze mechanical and electromagnetic energy?