

Unit 7 - Surfs Up! Waves and Sounds

Content Area: **Science**
Course(s): **Physics Honors, Horticulture 1**
Time Period: **March**
Length: **6 weeks**
Status: **Published**

Enduring Understandings

When energy and information are transferred without the transfer of matter, the phenomenon is referred to as wave motion.

When energy transfer strikes a boundary between 2 different media, different behaviors may be seen.

Sound is an example of energy transfer in the form of waves

Essential Questions

How does energy travel as a wave?

How do waves behave?

How is sound described in terms of wave-energy transfer?

Content

Vocabulary:
Wavelength
Frequency
Amplitude
Electromagnetic wave
Longitudinal wave
Transverse wave
Standing wave
Resonance
Intensity

Skills

Identify, sketch, and label waveforms.

Calculate wave characteristics given various conditions.

Sketch results of waves changing mediums (frequency, wavelength, inversion, amplitude, velocity).

Resources

Standards
