

Unit Issue Provides context for relevant and connected anchoring and investigative phenomena within the unit.

How are waves both helpful and harmful?

Unit Phenomena What can we observe in science that makes us wonder?

Humans can hear a large range of sound intensities.

Certain technologies make use of or modify waves.

We experience many different types of waves. (Sound, light, water, seismic, etc.)

The energy carried by a beam of light is affected by the color of the light.

Activities Students use SEPs and understanding of DCIs and CCCs to explain, justify, and argue a point of view about the issue.

sound intensity in our noisy world

making sound waves

noise induced hearing loss

analog & digital technology

light wave reflection & refraction

comparing energy in colors

selective transmission of UV light

blocking out UV light

personal health protection plan