Mechanical Waves

Enduring Understanding

Simple harmonic motion is motion that repeats about a point of stable equilibrium.
Waves interact with their environment, exhibiting a variety of wave phenomena.

Essential Questions

- [ ] 1. What do all simple harmonic motion derivations have in common?
- [ ] 2. What does a negative sign mean?
- [ ] 3. Do mechanical and electromagnetic waves exhibit the same wave phenomena?
- [ ] 4. How does wavelength respond to wave speed and frequency?
- [ ] 5. What do waves do: bounce or pass through?
- [ ] 6. What do all standing wave patterns have in common?
- [ ] 7. How many different ways can wave phenomena be illustrated?
- [ ] 8. How does diffraction and interference differ?