

Teacher Support Notes & Prep

Vocabulary:

Wave – the unit and form in which the energy of sound travels

Vibration – to move back and forth quickly and continuously

Wavelength – the distance of a wave measured crest to crest

Amplitude – the strength of the energy behind waves, directly impacting the height of its' crests.

Frequency – The rate at which a wave vibrates

Materials Needed:

Day 1

- Yarn
- Metal Objects

Day 2

- Magnetic Wire
 - https://www.amazon.com/gp/product/B00I53B2TC/ref=oh_aui_detailpage_o00_s01?ie=UTF8&psc=1
- Alligator Clips
 - https://www.amazon.com/gp/product/B00NWHAHGK/ref=oh_aui_detailpage_o00_s00?ie=UTF8&psc=1
- Headphone / Aux Cords
 - https://www.amazon.com/InnoLife-Colors-Noodle-Record-Auxiliary/dp/B00PBKETO0/ref=sr_1_3?ie=UTF8&qid=1505405842&sr=8-3&keywords=aux+cords
- Magnets
 - https://www.amazon.com/gp/product/B000RB7E5Q/ref=oh_aui_detailpage_o00_s01?ie=UTF8&psc=1
- Cup, Scissors, Tape

Day 3: Extensions

- Cups/Jars filled with different amounts of water
- Snap Circuits Radio Kits
 - https://www.amazon.com/Snap-Circuits-FM-Radio-Kit/dp/B000FMNZBY/ref=sr_1_1_sspa?s=toys-and-games&ie=UTF8&qid=1505405935&sr=1-1-spons&keywords=snap+circuits&psc=1