

# Wave Research Project

## Outcomes

S3P-1-07 Investigate the historical development of a significant application of communications technology that uses waves.

*Examples: telephone, radio, television, cell phone, communications satellite, motion detectors, remote controls...*

S3P-1-26 Describe the diverse applications of sound waves in medical devices, and evaluate the contribution to our health and safety of sound-wave based technologies.

*Examples: hearing aid, ultrasound, stethoscope, cochlear implants...*

## Format

- Powerpoint
- Poster
- Video
- Photo essay
- Interpretative dance
- .....

## Topic Ideas

● Ultrasound	● Telephone	● Radio
● Television	● GPS	● Remote controls
● Stethoscope	● Hearing aid	● Lasers
● Microwaves	● Radar	● Ultraviolet setting
● Structure failure from wave resonance (Eg. Tacoma Narrows Bridge)		

## Research Items needed

- How the technology works using ideas and concepts related in Physics class
- How/where is the technology used
- How the technology has changed human life/history
- Brief discovery/invention history of the technology