

# Middle School STEM Activity

**Subject:** Physics  
**Topic:** Sound Waves

## ***Objective***

Students explore and understand sound waves concepts.

## ***Learning Outcomes***

- Understand sound waves
- Develop critical thinking
- Apply STEM knowledge
- Work collaboratively

## ***Materials***

- Notebook
- Markers
- Chart paper
- Science kit
- Internet

## ***Activity Steps***

1. Introduce sound waves with examples.
2. Demonstrate concept.
3. Students perform activity.
4. Record observations.
5. Discuss results.

## ***Observation/Notes***

Observation	Notes

## ***Discussion Questions***

- What is sound waves?
- Why is it important?
- Where is it used?
- What did you discover?

## ***Extension Activity***

Create a mini project related to sound waves and present.

## Sound Waves Diagram

