SOUND ASSEMBLY, GRADES K-2

Concepts, Learning Goals, & Logistics

Why Does "Sound" Happen?
Sounds are all around us, but why do they happen? Students use their senses of sight, touch and hearing to observe a number of familiar and unusual objects making sounds. Discover what they are all doing!

What Different Ways Can We Make Sound?
Volunteer scientists hear what happens when they strike, rub, strum, or shake a variety of objects. Observe how different sized objects and the materials they are made of affect the sounds you can make.

How Can We Measure Sound?
Students experience through technology, volunteer demonstrations, and full audience participation activities how scientists represent and measure sound.

Science Learning Goals:

- Scientists investigate the world by asking questions, making observations, experimenting and measuring.
- Scientists make observations about the world and compare their observations with those made by others.
- Sounds are made by vibrating objects.

Vocabulary Introduced: Scientist, Observation, Vibration

Program Length: 40 minutes
Audience Size: Up to 150 students
Preparation: Science Museum instructor brings all equipment and needed materials. School provides two tables for demonstrations, and access to electricity and water. Allow 45 minutes before and after programs for set-up and take-down.

MN Academic Standard Strand: The Nature of Science and Engineering (0.1.1.2.1, 1.1.1.1.1, 1.1.1.1.2)
NGSS Science and Engineering Practices: Analyzing and Interpreting Data (1-ESS1-1), Constructing Explanations and Designing Solutions (1-LS3-1)
NGSS Crosscutting Concepts: Structure and Function (2-LS2-2)

If you have further questions on bringing programming to your school, please contact our Outreach Registration Coordinator at (651) 221-4748 or schooloutreach@smm.org.