

Expanding...

Close your eyes and for 1 minute listen to all the sounds around you. Tell us what you heard below!



Student Name: _____

Teacher's Name: _____

Due Date: _____

Partner's Name: _____

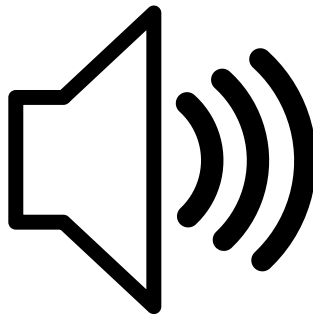


The Science Alliance of Tennessee, a coalition of 6 Science and Children's Museums, aims to foster children's curiosity, wonder and problem-solving skills using STEM curricula and community connections that set students on a positive trajectory of learning where they live and play. This project, the Tennessee Rural Impact Project (TRIP), was made possible in part by the Institute of Museum and Library Services.



Let's Explore

Sound

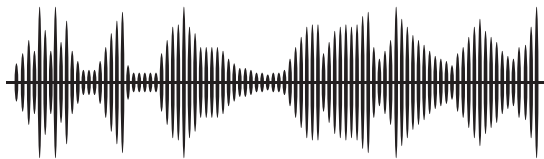


Exploring...

Sounds are everywhere! How do we hear sounds? The answer has to do with vibrations!

For example: If you play a drum, the stick hitting the drum carries vibrations to the particles that are in the air. They pass those vibrations along to other particles.

This is what we call, a sound wave!



Those vibrating particles will reach our ears and send those vibrations to what we call an ear drum. The ear drum then sends a signal to our brain and we hear the sound.

What to do

Let's Explore Sounds!

With the help of a partner, fill 3 glasses with water. The 1st cup will be filled all the way to the top. The 2nd cup will be filled half way and the 3rd cup will be filled just a small amount.

Take a metal spoon and gently tap each glass.

Do you notice different sounds?

What glass made a high pitch noise?

What glass made a low sounding noise?