

Hands-on Programs

The Wonders of Sound Waves

Dive into the fascinating world of sound with the National Capitol Radio and Television Museum and explore the science behind sound waves. Students will observe demonstrations to help them to visualize sound waves and understand concepts like amplitude and frequency. Watch as we prove the existence of sound waves by allowing students to observe its effect on the world around them with their own eyes and ears. This interactive and dynamic lesson is designed to make the science of sound both educational and fun!

Discover the Power of Squishy Circuits!

Ever wondered what happens to electricity once it reaches your phone, computer, or TV? Or how engineers turn electricity into tools that power everything from microwaves to microprocessors? In this exciting hands-on lesson, students will explore the world of electrical circuits using an unexpected material—Play-Doh! Along the way, they'll learn how electrons flow, experiment with conductivity, and see engineering in action. Perfect for curious minds who love to learn by doing!

Messaging with Morse Code

Introduce your students to the exciting world of communication and patterns with Morse Code! Explore how patterns can send information using sound and light. This hands-on lesson allows your students to learn and practice the basics of morse code. Learn about amplitude and wavelength, and how patterns can be used to transfer information over a long distance!