

# SCIENCE:

## The Physics of Sound & Material Properties

Through hands-on experimentation, students learn about **vibration, resonance, and acoustics**. They investigate how **different materials affect sound quality**, applying **scientific reasoning** and **hypothesis testing**, essential for **ACT Science success**.

### ACT Science Rating Scale – Sound & Material Science

- **(16-19):** Basic understanding of sound waves and resonance
- **(20-23):** Developing skills in data interpretation and hypothesis testing
- **(24-27):** Proficient in wave properties and experimental design
- **(28-32):** Strong analytical skills in acoustic properties and sound transmission