

# **GOOD VIBES**

*PRE-VISIT PAGE (GRADES K-3) 45 minutes*

*The Arizona Science Center will be visiting your location with all the materials and equipment needed for your group to enjoy a presentation on various sound and vibration concepts.*

## ***CONCEPTS***

- Sound is caused by vibrations
- Compression waves can travel through solids, liquids, and gases
- Different wave characteristics create different sounds

## ***EXTENSION ACTIVITIES***

- Carefully tap the tines of a metal fork against various objects and compare the sounds
- Tap a spoon against glass bottles with varying levels of water to create different notes
- Watch as vibrations travel through a cup of water after dropping in a marble

## **PROGRAM NEEDS**

- **One instructor table at front of room**
- **Limited to 90 participants who may sit on the floor or in chairs provided that the instructor is visible and audible to all**
- **Participants must be seated at least six feet away from instructor table**
- **If multiple programs are scheduled at your location, it is ideal that the instructor be set up in one location and participants be brought in, otherwise allow 15 minutes between programs**
- **Teachers for each class must remain in room for duration of program**

