

# **GOOD VIBES**

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

Arizona Science Center will be arriving no later than 15 minutes before the start of your program(s). **Good Vibes** is intended to be an assembly program that covers:

- Sound is caused by vibrations
- Sound travels through solids, liquids, and gases
- The speed of a vibration changes the pitch

### **PROGRAM NEEDS**

- Teachers for each class must remain in room for duration of program
- 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

### **SCIENCE STANDARDS**

**Grade 3:** S5C3PO3: Demonstrate that vibrating objects produce sound.

S5C3PO4: Demonstrate that the pitch of a sound depends on the rate of the vibration (e.g., a long rubber band has a lower pitch than a short rubber band).

