

# **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**

- **The Arizona Science Center's instructor is a guest in your classroom. Class teacher/instructor must remain in room for duration of program for liability reasons. We cannot be responsible for your students.**
- One instructor table at front of room
- Access to a water source
- 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 K:**

S5C1PO1: Identify the following observable properties of objects using the senses:

- shape
- texture
- size
- color

S5C3PO2: Compare objects by the following observable properties:

- size
- color
- type of material

### **Grade 1:**

S5C1PO1: Classify objects by the following observable properties:

- shape
- texture
- size
- color
- weight

**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).



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