



ZOOMsci Activities

Try It Out

**ZOOMon:
Change One Variable**

Share Your Results

Keep ZOOMing

SOUND

Rainstick



Make a musical instrument that sounds like rain.

- Type of beans or small objects
- Type of tube
- Number of toothpicks

- What sounds did your rainstick make?
- What changes did you make to produce different sounds?

Investigate the sounds these musical instruments make:

- Singing Glasses
- Guitar

Stereo Hanger



Compare sounds that travel through air and through string.

- Type of string
- Type of object

- Was the sound louder or softer when you put the string near your ears?
- What sound did different objects make?

Explore sounds that travel through other objects:

- Listening Table
- String Telephone

Straw Kazoo



Make a kazoo from a straw.

- Length of the straw
- Number of holes added

- Did the sound get higher or lower as the straw got shorter? Why?
- How did the sound change when you added holes to the straw?

Make more music by blowing air:

- Water Trombone
- Bottle Hit and Blow

Super Sounding Drum



Make a drum out of a bowl.

- Size and shape of container
- Tightness of shrink wrap

- What size and shape of container did you use?
- Why did some containers make different sounds than others?

Experiment with sounds made by tapping objects:

- Glass Xylophone
- Wind Chime



Find these activities at the **ZOOMsci** section of the ZOOM Web site: pbskids.org/zoom/sci