

SCIENCE @ THE LIBRARY

SPACE PHONES

MATERIALS:

- 1 Space Phone with spring
- 2 Space Phones with string

WHAT TO DO:

Stretch the cones, one person talks into the cone and the other listens. Then switch!
How is the sound different when using the cones connected with string?

WHAT IS HAPPENING?

The two cones amplify sounds and vibrations when the spring is stretched, making wild and wacky sounds.

THUNDER TUBES

MATERIALS:

- 2 Thunder Tubes

WHAT TO DO:

The possibilities are endless for creating scary or unusual sounds.

Just use your wrist to make the spring dance and sound fills the air. Grasp the Thunder Tube in the middle with one hand and let the spring hang down. Make the spring dance by shaking your wrist and the air comes to life with sound!

WHAT IS HAPPENING?

The tube works like a drum played by the spring and sound waves are created in a column resonating back and forth against the sides of the tube.