

Hands-On Learning Drills for Sound Science Experiments for Kids

Embark on an exciting journey into the realm of sound science with our hands-on learning drills. These engaging experiments are designed to ignite curiosity, cultivate critical thinking, and nurture a love for STEM in young minds. Get ready to unlock the secrets of sound and embark on a scientific adventure filled with exploration, discovery, and endless fun.



Hands-On Learning Drills for Sounds - Science Experiments for Kids | Children's Science Education

books by Baby Professor

★★★★☆ 4.8 out of 5

Language	: English
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Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 1800 pages
Paperback	: 278 pages
Item Weight	: 1.58 pounds
Dimensions	: 6 x 1 x 9 inches
Screen Reader	: Supported
X-Ray for textbooks	: Enabled
Hardcover	: 398 pages



Experiment 1: The Dancing Rice Experiment

Materials:

- Clear glass or jar

- Water
- Uncooked rice
- Music player

Instructions:

1. Fill the glass or jar about halfway with water.
2. Add a handful of uncooked rice to the water.
3. Place the glass or jar on a flat surface.
4. Play music through the music player and place it near the glass or jar.
5. Observe what happens to the rice.

Explanation: The sound waves produced by the music player travel through the water and cause the rice to vibrate. This vibration creates tiny ripples in the water, which makes the rice appear to dance.

Experiment 2: The Sound Shadow Experiment

Materials:

- Cardboard
- Scissors
- Flashlight
- Speaker

Instructions:

1. Cut a rectangular piece of cardboard about 20 cm x 30 cm.
2. Cut a smaller rectangular piece of cardboard about 10 cm x 15 cm.
3. Tape the smaller piece of cardboard to the center of the larger piece of cardboard.
4. Place the cardboard in front of the speaker.
5. Shine the flashlight at the cardboard.
6. Turn on the speaker and play some music.
7. Observe what happens to the shadow.

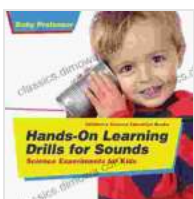
Explanation: The sound waves produced by the speaker travel through the air and cause the cardboard to vibrate. This vibration creates a shadow behind the cardboard.

Experiment 3: The String Telephone Experiment

Materials:

- Two empty tin cans
- String
- Hole punch

Instructions:

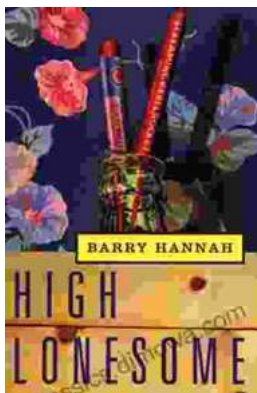


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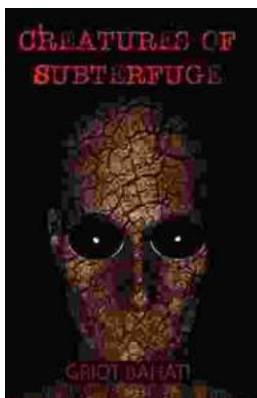
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