

# Science - Can you see sound?

## Activity Number 1

**Equipment:** Ruler and a table

**How to:** Put a plastic ruler on top of a table, leaving half of the ruler out of the edge of the table. Now quickly push down the end of the ruler that is outside of table edge, and let it go. You will see the ruler quickly swing up and down. Do you hear something?

**Taking it further:** Try move the ruler in or out of the table, so the length sticking out is different. Try to hear the differences in the sound when the length changes.



## Activity Number 2

**Equipment:** bowl, cling film, rice.

**How to:** stretch the cling film tightly over the bowl; pour a small amount of rice onto the surface of the film; gently tap the bowl. What do you hear? What do you see? *The vibrations that make the drum make a noise are making the grains jump!*

**Taking it further:** try different types of grains: lentils, couscous etc. What happens if you put more grains on the film? Do the vibrations still make the grains jump if you tap the surface the bowl is resting on?



## Activity Number 3

**Equipment:** wire hanger and string

**How to:** Tie the hook of a wire hanger to the centre of a large piece of string (approximately 3 feet long). Wrap the ends of the string around your index fingers. Put your hands over the opening of your ears while holding the string. Lean over and swing the hanger so that it taps against a table or door. What do you hear?

