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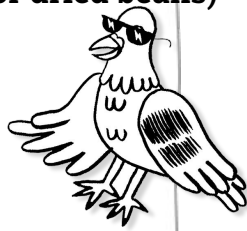
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EXPERIMENT INSPIRED BY

Growling Ghost Crabs

MATERIALS

- ★ A big bowl
- ★ Plastic wrap
- ★ Uncooked rice (or dried beans)
- ★ A metal pan
- ★ A metal spoon
- ★ Scissors



DANCING RICE EXPERIMENT

Did you know that sound is a type of energy made by vibrations? This simple sound experiment allows you to observe sound waves. Give it a try!

EXPERIMENT
WOW TO:

- 1 Tear off** a portion of plastic wrap large enough to cover your bowl. Place the plastic wrap over the bowl's opening making sure it is sealed closed.
- 2 Gently pour a** teaspoon of rice (or dried beans) over top of the plastic wrap covering the bowl's surface.
- 3 Holding** your pan as close to the bowl as possible, bang on it with the spoon- the harder the better!
- 4 Are the results different** if you bang the pan more softly? More heavily? Swap the rice for beans and try it again. Which items have more bounce?

What in the WOW is happening is that, as the pan vibrates, it creates sound waves. The sound waves are then transmitted through the air causing the plastic wrap to vibrate too making the rice dance.