


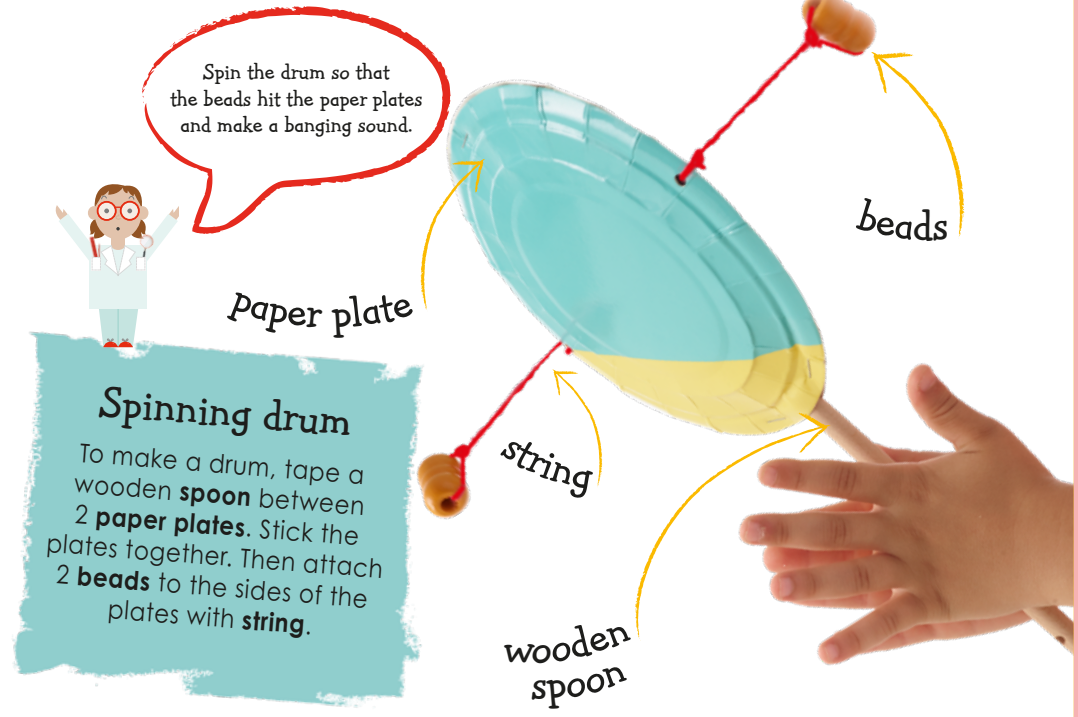


Hear that sound?

SENSE-ible science

-  Do all noises sound the same?
-  Can you see the water rippling when you tap the bottles?
-  What different sounds can you make?

When objects **touch** each other, they **vibrate** (move backwards and forwards). This makes the **air** vibrate too. Your ears pick up the **vibrations** and **your brain turns them into sounds**.



Spin the drum so that the beads hit the paper plates and make a banging sound.

paper plate

string

wooden spoon

beads

Spinning drum

To make a drum, tape a wooden **spoon** between 2 **paper plates**. Stick the plates together. Then attach 2 **beads** to the sides of the plates with **string**.

Musical bottles

Fill glass bottles with water. When you **tap** the bottles, the water and the air inside them **vibrate**. Depending on how much water and air they contain, the bottles make **different sounds**.



wooden spoon

tap tap

glass bottles

Fill your bottles with different amounts of water. You can add food colouring to make them look pretty.

Can you make a tune? Try tapping different parts of the bottles to see if it sounds the same.



Do not worry if you have no food colouring, the experiment will work just as well with uncoloured water. Suitable for 0-5 years

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