

Sound, Romans, Conservation

Water Xylophone

empty and clean food jars
different colours of food colouring
Water

What to Do:

1. Help your child fill each jar with varying amounts of water.
2. Add a few drops of food colouring to each jar.
3. Using the spoon, instruct your child to firmly tap the outside of each jar. What sounds are being made? Which jars have the highest or lowest pitch? Play around with the water levels in each jar and experiment with pitch!



See the Sound

Sound vibrations travel through air, water, and even solid objects, but it's not possible to see the waves. What if we could see the waves in another way?

Supplies Needed:

Empty clear mixing bowl, plastic wrap, large rubber band, Sugar

What to Do:

1. Wrap a sheet of plastic wrap over the mixing bowl so that it's taut, and secure with the large rubber band. Be sure that the plastic wrap is tight and does not sag.
 2. Place a few of the sugar crystals on the top of the plastic wrap, placing them in the middle of the wrap.
 3. Instruct your child to get close to the sugar crystal and say something loudly! What happens to the crystals? Do they move?
 4. Experiment with louder and softer words or sentences to watch the sugar crystals react to the sound vibrations!
- While your child might think it's his or her breath making the crystals jump and move, but it's actually the sound vibrations.

English – CS Lewis

We are going to be reading *The Lion the Witch and the Wardrobe*.

Choose another CS Lewis book to read at home. Tell me about the characters and what they do. Write a blurb for the back of the book that gives the *gist* of the story.

Vocabulary we need:

Sound - pitch, volume, loud, quiet, amplitude, particles, ear, waves, vibrations, travel, high, low.

Geography –renewable, non-renewable, energy, reduce, reuse, recycle

History – transport, Roman Empire, invasion, aqueducts, calendar, forts

Maths

Coin challenge

Take 2 coins and find the totals, continue with another five coins finding as many values as possible.

Take your values and find the change from £10.

Geography

We will be looking at renewable and non renewable energy. Make your own wind turbine from junk or construction such as Lego or Knex. Does it move?



Romans

Find out about the Roman towns around Britain. What are they called and what did the Romans do there?



Conservation

Use a website such as the WWF and research animals that might be endangered. Look at what is causing their decline, where in the world it's happening. Is it caused by naturally occurring problems or are humans creating the problems? Create a fact file using headings and sub-headings.

