



#FontanaTogether

Creating a Telephone

Making a telephone is awesome. It is a great way to demonstrate how sounds vibrations travel from one place to another. What's even more fun, though, is to encourage children to come with their own discoveries about how the world works. This can be done simply by encouraging them to ask questions and find answers to simple experiments just like this one.

Materials:

- Recycled Soup Cans
- Duct Tape (optional)
- String of Varying Sizes and Thicknesses
- Toothpicks or Paperclips

Instructions:

1. Start by wrapping your clean cans with your choice of duct tape.
2. Now is a great time to have an adult cut a hole in the center of the bottom of the can. This can be done with a knife, scissors, or wire cutters.
3. After tying a string of your choice to a toothpick or paperclip, thread the string through both holes in the cans and you are ready to go.

Modifications:

- We started by experimenting with 2 short strings of different thicknesses.
- What do you think carried sounds better with the yarn or the string?
- What kind of string?
- How long should the string be?
- Does it matter if I use a toothpick or paperclip?
- Great questions! Now you have an experiment!

