

## Equipment

- Plastic cup
- String
- Scissors
- Something sharp to make a hole in the bottom of the cup
- Wet cloth

## Method

1. Carefully make a hole in the middle of the bottom of the plastic cup
2. Cut some string and feed it through the hole
3. Tie a large knot at the end of the string
4. Run a wet cloth down the length of the string. What do you hear? Repeat this with just a piece of string with no cup on the end. Do you notice a difference?

## The Science

The wet cloth creates friction on the string which produces a vibration. You can hear a faint squeak on the string with no cup on the end. When you add the cup, this amplifies the noise, creating a much louder sound.

## Health and Safety

If the children are making their own, they should use children's safety scissors.

