Science Plan

Plastic Cup Telephones





Equipment

- Plastic cups
- Cotton string
- Sewing pin

Method

1. Choose 2 cups each.
2. Make a small hole using the end of the pin in the middle of the bottom of the cup.
3. Cut 2 metres of string.
4. Thread the string through the hole in each cup so the short end is inside the cup.
5. Tie the string into a secure knot inside both cups.
6. Pull the string tight holding the cup to your ear, give the other cup to your friend and ask them to talk into it while keeping the string tight.
7. You will be able to hear your friend!

You can hear your friend because sound travels in waves, moving along the string. The cups act like speakers making the sound louder - amplifying it.