

Paper Cup Phone

Use paper cups and string to transmit secret messages.

WHAT YOU'LL NEED

- 2 x plastic or paper cups
- Non-elastic string cut 2-3m long
- 2 x paper clips
- Scissors

INSTRUCTIONS

- 1 Use your scissors to carefully poke a hole in the middle of the bottom of each cup.
- 2 Thread the end of each length of string into each cup, threading from the outside inwards.
- 3 Tie each end of string to a paper clip.
Note: the paper clip should be on the inside of the cup.
- 4 Pull the string tightly so there is no slack and take it in turns talking and listening.



DID YOU KNOW?

A paper cup phone works by transmitting sound vibrations along a tightly pulled string. The bottom of each cup serves as a microphone and a speaker, picking up the sound vibrations and then reproducing it on the other end. Submarines transmit sound through either VLF or ELF low frequency radio vibrations.