

Cumbria County Council

Early Years Team

**What can I do
today?**



This week it is...cups

Wednesday - telephones

- Make a string telephone!
- You will need two cups and some string.
- Make a hole in the bottom of each cup.
- Thread the string through both cups joining them together.
- Tie a knot in the string so it doesn't slip through the cup.
- You can decorate the cups.
- Pull the string tight. One person can talk into the cup and one listen with the other cup.
- This is how it works:
Sound waves are created when sounds make movements called vibrations in the air. Your voice vibrates the air inside the cup, which is then transferred to the bottom of the cup. The bottom of the cup passes the sound waves to the string, and so on to the other cup. If the string is kept tight, the sound waves will travel. If the string is loose, the sound is less.
- Try experimenting with different lengths of string, types of string, and types of cups to see which produces the best sound over the longest distance.