

## Paper Cup Telephones

We have been learning about our sense of hearing this week, including the different parts of our ear and how sound travels. To help us develop our understanding, we made paper cup telephones!

We learnt that when you speak, your vocal cords create vibrations that travel through the air as sound waves. So when you talk into the cup, these sound waves cause the bottom of the cup to vibrate. The vibrating cup then causes the string to vibrate, effectively transmitting those vibrations across the string. The vibrating string then causes the bottom of the other cup to vibrate, and these vibrations create sound waves in the air that can be heard by the listener.

We learnt that the tighter we pulled the string, the better the vibrations were transmitted, and the clearer the sound will be! I'm not sure who had more fun, the children or the adults!

