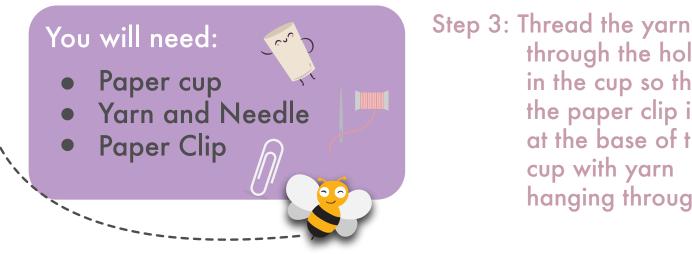
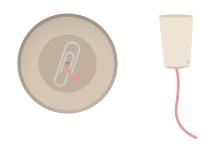
STEM CHALLENGE



through the hole in the cup so that the paper clip is at the base of the cup with yarn hanging through.

Step 1: Make a small hole in the center of bottom of paper cup using a needle.

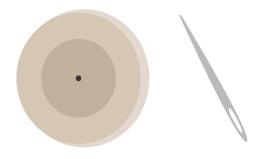


water and pull along

the yarn with your

Step 4: Wet the yarn with

fingers.



Step 2: String one end of the yarn with the paperclip.

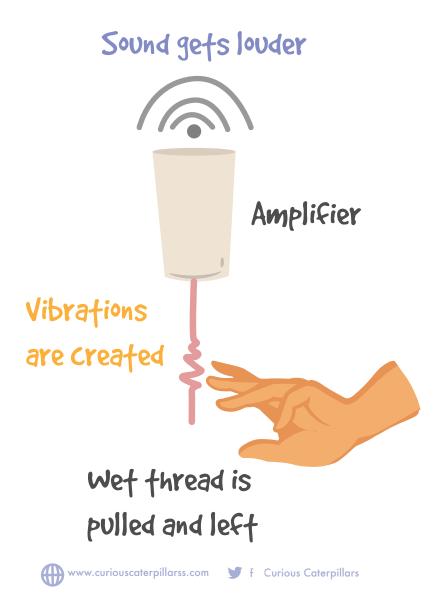
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Science Behind the Sound Cup

As you pull the string with your fingers, vibrations are created which travel up the string to the cup. The cup acts as an amplifier and makes these louder.



But why wet the string?

Water makes your hands and yarn stick more with each other, making stronger vibrations.

STEM Sound Cup Challenge

Try using cups of different material - a tin can, plastic cup or paper cup.



Vary the length of the yarn. Does length make a diff<u>erence</u>?

