

# Chicken Sounds

## Vocabulary List

- *Hypothesis*: an educated guess on the outcome of the experiment
- *Procedure*: an outline of what to do
- *Conclusion*: the understanding you come to after the experiment
- *Volume*: level of sound
- *Tone*: the pitch of a sound, can be high or low
- *Sound waves*: how noise travels through the air
- *Amplify*: to make a sound louder



## Materials

- A plastic drinking cup
- Yarn or cotton string
- 1 paper clip, Paper towel, Nail, Scissors, Water

## Procedure

- Cut a piece of yarn about **20 centimeters long**.
- Using a nail, carefully punch a **hole** in the center of the bottom of the cup.
- Tie one end of the yarn to the middle of the **paper clip**.
- Push the other end of the yarn through the hole in the cup and pull it through as shown in the picture.
- Get a piece of paper towel about the size of a dollar bill, then fold it once and get it **damp** in the water.
- Hold the cup firmly in one hand, and wrap the damp paper towel **around the string** near the cup.
- While you **squeeze** the string, pull **down** in **short jerks** so that the paper towel tightly slides along the string. If all goes well – you hear a chicken!

## How does it work?

This is an example of how a **sounding board works**.

The **vibrations** from the string would be almost **silent** *without the cup*, but when you *add* the cup, it spreads the vibrations and **amplifies** them (makes them louder.)

**Pianos** and music boxes use wood to act as a sounding board to make the instrument louder.

## GAME!

Who can make the best "chicken" sound?