

## Electricity 3 - Speaker

Now that you know that a coil of wire in a magnetic field feels a force, you are going to put that effect to use.

Given wire, a cup, a plate, some magnets, and tape, make a speaker.

Once you have made a speaker, let me know and we'll get you setup with an amplifier to test it.

Record the following in your lab notebook.

**\*\*Sketch how your speaker was made\*\***

**\*\*Record any observations about your speaker\*\***

- How well it works.
- Anything odd that you notice, etc.
- How do you think it works?

Once you have successfully made a speaker, try and make a better one.

Again, record your observations in your lab notebook.

**\*\*Sketch how your speaker was made\*\***

**\*\*Record any observations about your speaker\*\***

- How well it works.
- Anything odd that you notice, etc.
- Compare this with your first attempt, is it better, worse, why?

Once you have successfully made another speaker, try and make a EVEN BETTER one.

Again, record your observations in your lab notebook.

**\*\*Sketch how your speaker was made\*\***

**\*\*Record any observations about your speaker\*\***

- How well it works.
- Anything odd that you notice, etc.
- Compare this with your first attempt, is it better, worse, why?