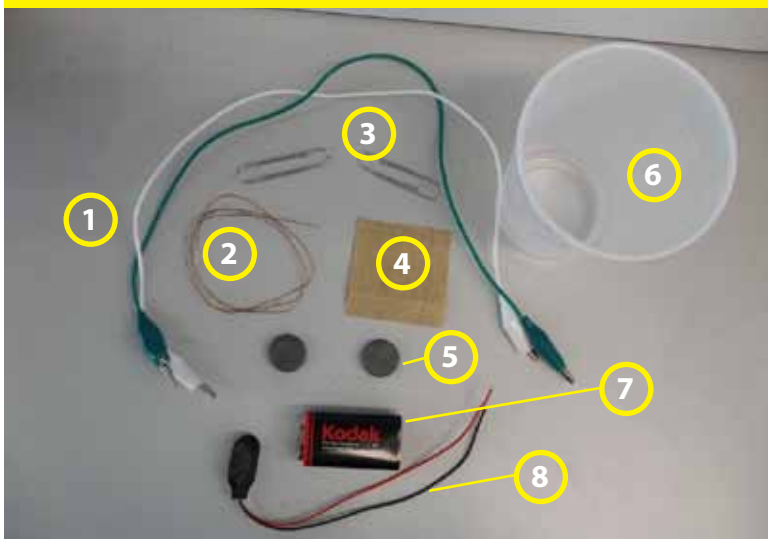


## WORKSHOP on **Basic Electronics**

### Project: Build a **PLASTIC-CUP MOTOR**



#### Parts:

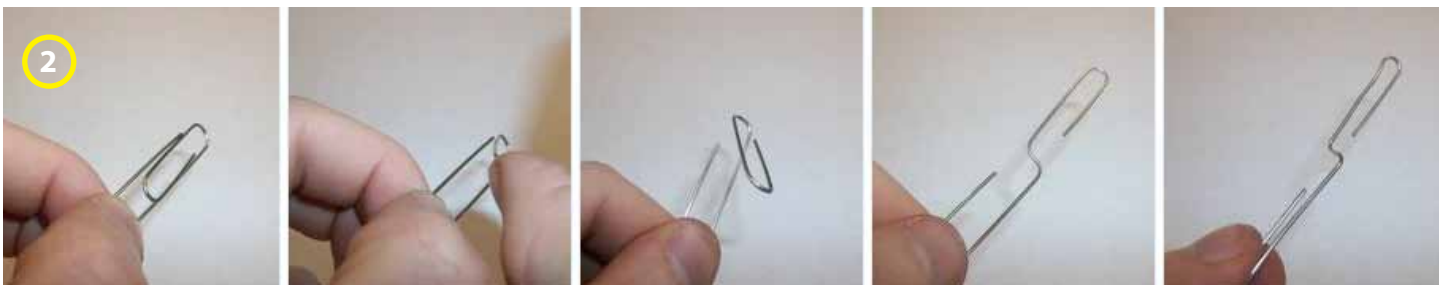


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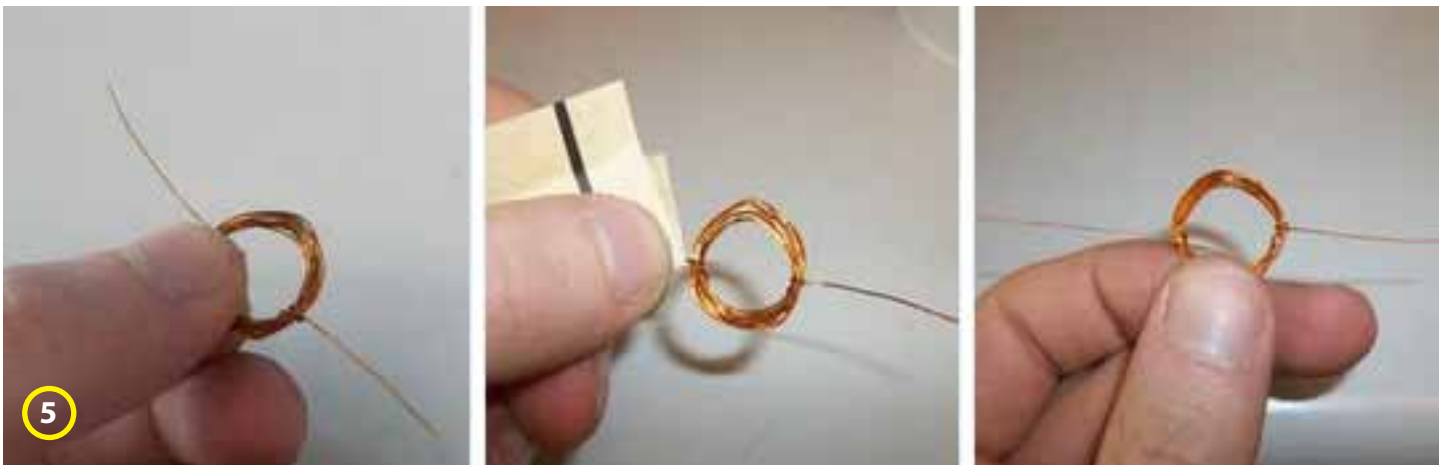
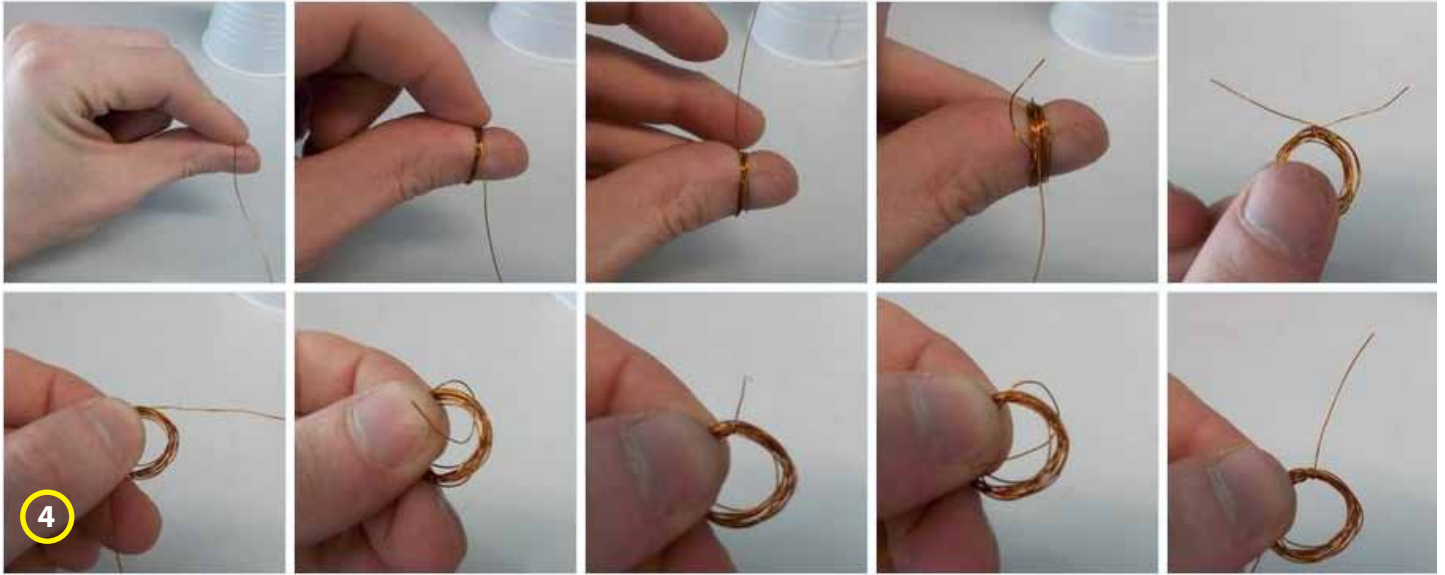
## How to put this together...



1. Attach the magnets to the plastic cup
2. Open and bend the paperclips to create two hooks
3. Attach each bent paperclip to the cup with masking tape



## How to put this together...



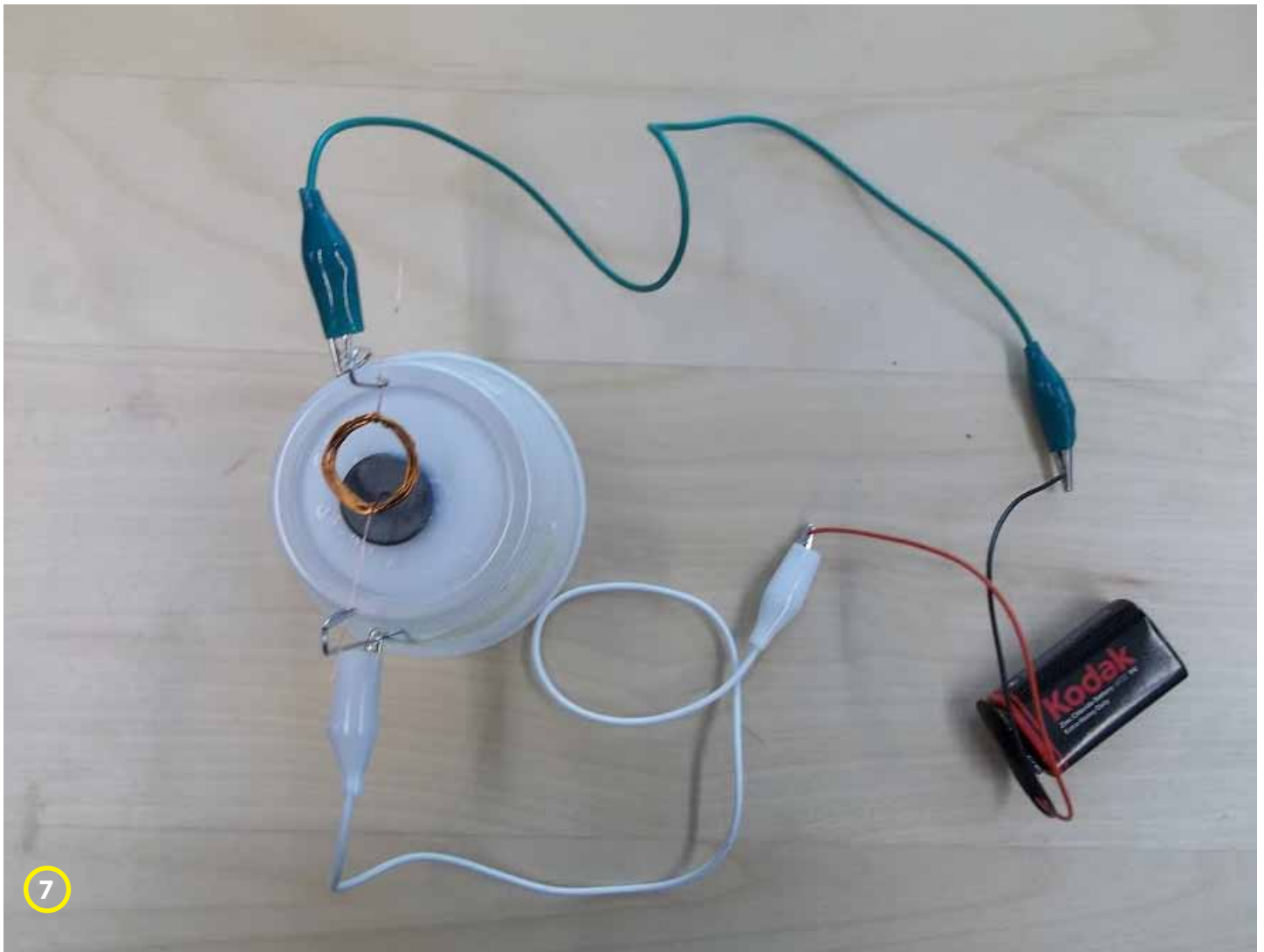
**4. Make the wire into a small coil**

**5. Use the sandpaper to remove the plastic covering from both ends of the coil**

**6. Place and check if the coil fits between the hooks**



## How to put this together...



**7. Attach the battery to the paperclips**

**8. Watch how your coil rotates. You may need to give it a push.**



What did you learn from doing this project?

CIRCLE THE CONCEPTS WE ARE USING IN THIS PLASTIC\_CUP MOTOR....

LIGHT BULBS

SWITCH

WIRES

CIRCUIT

WIRES

CONDUCTIVITY

ELECTRICITY

PARALLEL CIRCUIT

ELECTRONS

BATTERIES

SERIAL CIRCUIT

POSITIVE

ELECTROMAGNETISM

POLES

NEGATIVE

MAGNETS