Make a Ghost That Spins!

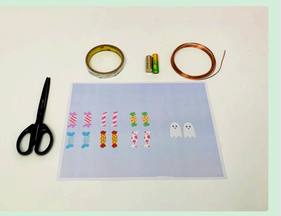
OOctober 08, 2024 / DIY / STEM Activities / Exciting Electronics Robotics / Ages 9 - 12 / Spinning Ghost Science

Tempting sweets and dizzy little ghosts? Children will be thrilled by this incredibly clever science experiment! It combines Halloween crafts with scientific experimentation. This Halloween, let children experience the mysterious power of electromagnetic force.

- Age: 9-12
- Time: Less than 30 minutes
- Mess Level: A bit messy

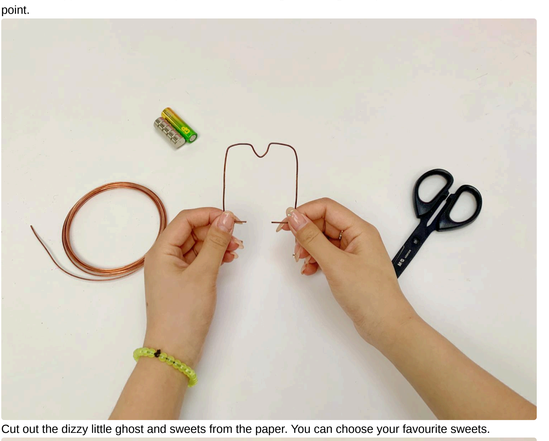
Materials Needed:

Printable materials
Scissors
Double-sided tape
Copper wire
Battery
Rubidium magnet

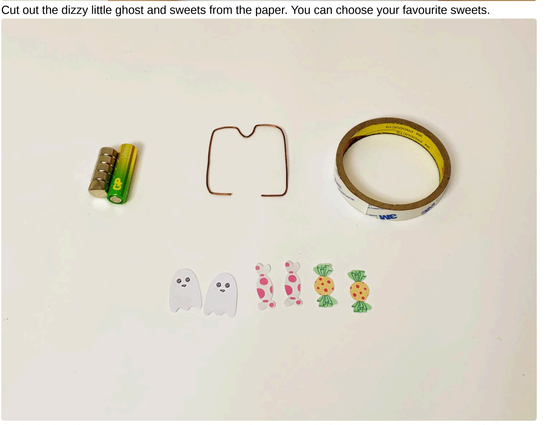


Step-by-Step Instructions:

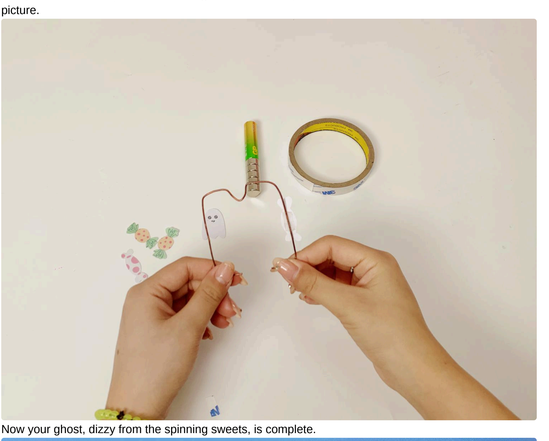
1. Bend the copper wire into the shape shown in the image, ensuring the top indentation has a sharp point.



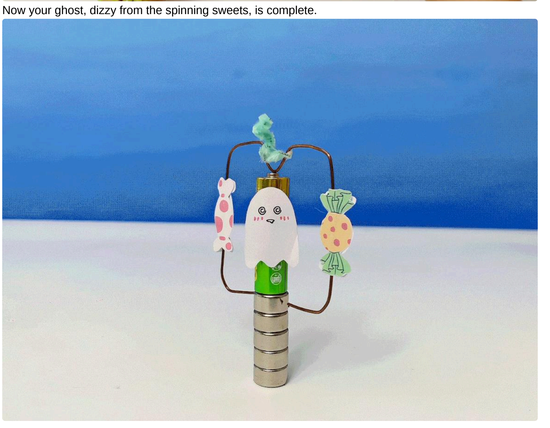
2. Cut out the dizzy little ghost and sweets from the paper. You can choose your favourite sweets.



3. Apply double-sided tape to the cut-out ghost and sweets, and stick them on as demonstrated in the picture.



4. Now your ghost, dizzy from the spinning sweets, is complete.



The Science Behind It:

A cube-shaped frame made from black-polka-dotted straws, secured with red pipe cleaners, contains a clear soap bubble, with a straw extending from one corner.

When a bubble forms inside a cube-shaped mould, it's constrained by the mould's shape. The bubble adapts to the corners and edges of the mould, forming a cube-like shape. Once it loses the constraint of the frame, the bubble will either burst or return to a spherical shape.

Think about it: besides cube bubbles, what other shapes of bubbles can you create?