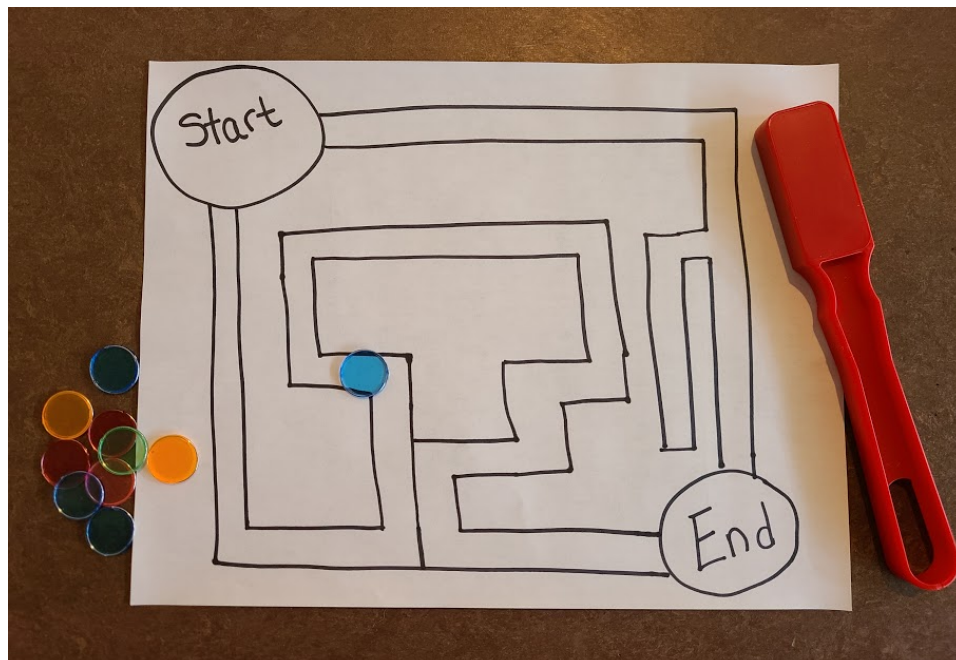




Magnet Mazes

October 2020



Materials List

- magnetic wand
- magnetic bingo pieces
- paper*
- markers/ crayons/ pencil*

**Not provided in supply bag*

Directions:

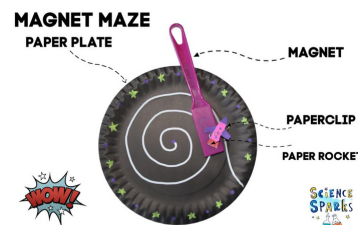
1. Draw or trace a maze on a piece of paper or cardstock marking the beginning and end of the maze
2. Place one of the magnetic bingo circles at the beginning
3. From under the paper, use the magnet wand to guide the bingo piece through your maze to the end

Bonus: Design a themed maze. Decorate your bingo piece to resemble something from that theme (i.e. if your maze is a garden, you might make your bingo piece look like a bee)

CAUTION - Safety Notice

Magnets are harmful if swallowed. Please supervise younger children carefully.

Use care around electronics, especially cell phones or computers



Inspired by activities found at: <https://www.science-sparks.com/mini-magnet-maze/>

<https://www.parents.com/toddlers-preschoolers/everything-kids/irresistible-activities-to-do-with-magnets/>

Modifications and extensions

For a younger crowd...

Gather a variety of small household items to test how magnetic they are. Make note of which items "stick" and which do not.

For more advanced learners...

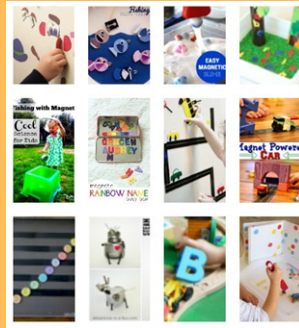
If you stack magnets or use more than one, does that make the magnetic pull stronger? Investigate to find out...

Explore Further...

40 + Magnet Experiments

Explore a variety of magnetic activities

<https://teachbesideme.com/magnet-teaching-play-ideas/>



Make a Magnetic Car

Attach a magnet to a toy car or other item, and see if you can make it move!

Inspired by: <https://www.science-sparks.com/easy-magnetic-cars-sugru-hack/>



The concepts of electromagnetics explored here are used in many fields including

MRI Technology

"MRI technologists specialize in magnetic resonance imaging scanners. They inject patients with contrast dyes so that the images will show up on the scanner. The scanners use magnetic fields in combination with the contrast agent to produce images that a physician can use to diagnose medical problems."

- U.S. Bureau of Labor Statistics

Learn More!

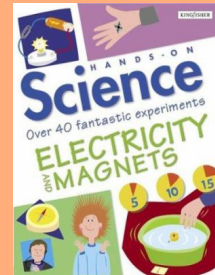
- The United States Department of Labor: Occupational Outlook Handbook
<https://www.bls.gov/ooh/healthcare/radiologic-technologists.htm>
- Careerexplorer.com
<https://www.careerexplorer.com/careers/magnetic-resonance-imaging-technologist/>

Titles to Explore



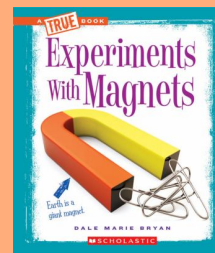
Magnets

by Darlene Lauw



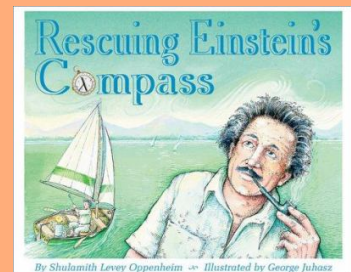
Electricity and magnets

by Sarah Angliss



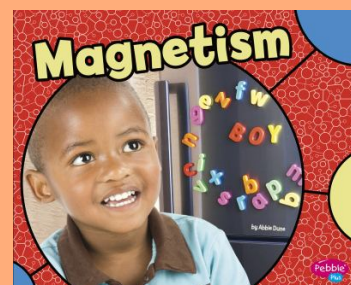
Experiments With Magnets

by Dale-Marie Bryan



Rescuing Einstein's Compass

by Shulamith Levey
Oppenheim



Magnetism

by Abbie Dunne