



## Magnetic Maze

- Energy is the ability to do work. Can magnets be used as an energy source to power things?
- Use your imagination to create an original maze.
- Glue your maze to a cardboard backing.
- Use one of the small colored disk magnets as your "race car". Place the race car at the starting point of your maze.
- Use the horse shoe magnet to "power" your race car through your maze by holding it under the cardboard maze.
- Does it matter the direction your disk sits on the top of the maze? What happens if you flip the disk over and try to power it that way?
- Do you think there is anything that you could do to design a maze in which you have increased power or control over your disk?
- Are there other materials that would provide a better track?
- Try using a higher powered magnet to "chase" the disk through the maze. Does this increase or decrease the amount of control over the disk?