

Magnet Maze - Plain

Gallery: My Big Back Yard

Course Name: Magnet Mania

Grade Level: 1st

Activity: Post

Approximate Time Required: 30 minutes

Vocabulary: **MAGNET, ATTRACT, REPEL, MAGNETIC FIELD, NONMAGNETIC, POLE, NORTH POLE, SOUTH POLE, PREDICTION**

Objective:

Demonstrate how magnets attract and repel.
Identify objects and materials that do not block magnetic force..

Materials Needed:

Maze
Paper clip
Round magnet
Ruler
Tape

Procedure:

1. Lay maze on table.
2. Attach one of the round magnets to the end of the ruler with tape.
3. Place paper clip at the beginning of the maze. Using the magnet attached to the ruler and working from the underside of the maze, move the paper clip through the maze to the end.
4. Try to push the paper clip through the maze.
5. Try placing different materials between the maze and the table to see if the magnetic field will go through the other materials. (Ex. Books, aluminum foil, sheets of plastic)
6. Hold magnet over maze not touching paper clip and if can move paper clip.

Observations:

Have students share what learned.

Evaluation:

Observe accuracy of statements students make with observations.

Modifications:

Encourage to students to create their own mazes to challenge other classmates.

Georgia Standards: S1P2 a, c, S1CS1, S1CS3a, S1CS7