

Grade 2

Title: *What Are Magnets?*

Topic: Physical Science

Objective:

The learner will explore and demonstrate why and how magnets can make other objects move.

Standards:

2.3.8 Demonstrate and observe that magnets can be used to make some things move without being touched.

Materials:

Variety of different shapes and sizes of magnets
variety of metal, wood, and plastic objects
marbles
Venn diagram

Vocabulary: Attract, repel, magnetic poles

Possible Investigable questions:

1. Will a magnet attract all other objects?
2. What are some things you can pick up with magnets?
3. Does a magnet have to touch a metal object in order to cause it to move?

Activity:

1. Give students time to explore magnets and their forces. Explain how poles attract and repel.
2. Using the Venn diagram, have students experiment with magnets and objects to decide which objects are magnetic. Record results.
3. Discuss the results.
4. Have students work on investigating question #3. Can you move objects with a magnet without touching them?
5. Have students share their findings.

Conclusion: Draw a picture of some other magnetic items.

Extension Activity:

Students create a list of magnetic/non-magnetic items in their home.