

What Attracts?

Kindergarten

Activity: 7

Time: 1 Class Period

General Description

The students will investigate what materials are magnetic and which are not.

Objective

Students will classify a variety of objects as magnetic or non magnetic through investigation.

Arizona State Standards

SC00 S1C1 PO1 Observe common objects using multiple senses.

SC00 S1C2 PO2 Participate in guided investigations in life, physical, Earth and space sciences.

SC00 S1C4 PO1 Communicate observations with pictographs, pictures, models, and/or words.

SC00 S5C3 PO4 Sort materials according to whether they are or are not attracted by a magnet.

W00 S1C1 PO1 Generate ideas through class discussion.

W00 S1C1 PO2 Draw a picture about ideas generated through class discussion.

W00 S3C2 PO1 Participate in creating expository texts (e.g. labels, lists, observations, journals, summaries) through drawing or writing.

M00 S2C1 PO1 Formulate questions to collect data in contextual situations.

M00 S2C1 PO2 Interpret a pictograph

LS-R3 Share ideas, information, opinions and questions

Teacher Background

Students will use the inquiry process to discover what materials are attracted to a magnet. This uses the inquiry process and you can make it as complex or simple as you feel your students are ready for.

Materials

Variety of magnets (can be purchased in a hardware store or scientific catalog)

Activity Card K-7

Variety of objects the students can test to see if they are magnetic or not.

Examples: penny bolt paper clip paper crayon pencil without metal band
walk around the room to test what is magnetic or not

Optional Materials:

Chart paper

Marker

Procedure/Exploration

1. Give each pair of students a magnet and let them wander the room and explore what is magnetic or not.
2. They will record their observations on the Activity Card K-7 using drawings or words.
3. After an ample amount of time call the children back together and have them share what they discovered. You may choose to make a master chart.
4. At each table have a variety of objects that the students can test to determine if they are magnetic or not. Give the students time to test every object. As they make their observations they should be drawing/writing what is magnetic and what is not.
5. Have students share out loud what they found to be magnetic. If there are disagreements have them test those items again. Some parts of items might be magnetic and other parts not. For example a pencil has a small metal tip so that part is magnetic while the wooden part is not.
6. As a class generate a pictograph of what is magnetic vs. what is not magnetic.
7. Have the students talk about the pictograph and what it means to them.
8. Have the students share their ideas out loud.

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What do Magnets Attract?

Attracts to magnets	Does not attract to magnets