



Explore: Take it a Step Further

“Magnets Make it Move”

Magnets Module

This hands-on activity provides students with the opportunity to reveal prior knowledge while generating interest in and curiosity about how magnets can move magnetic objects as students work collaboratively with peers at a center.

This offline hands-on activity can be completed after participation in the online Explore.

Objective: Upon completion of this activity, students will have explored key concepts of magnets by examining their understanding of magnets and motion and formulating ideas and questions to investigate as the module proceeds.

Estimated time for activity: 20 minutes

Materials:

- Magnets of varied shapes and sizes, one for each group of three to four students
- Small magnetic objects, two to three objects for each group of three to four students
 - paper clips
 - key chains
 - nuts
 - bolts
- Nonmagnetic objects, two to three objects for each group of three to four students
 - paper
 - plastic toys
 - pieces of cloth
 - coins
- “Magnets Make it Move” handout, one per student

Procedure:

1. Distribute one magnet and a selection of magnetic and nonmagnetic objects to each group.
2. Distribute “Magnets Make it Move” handout to each student.
3. Read directions on the handout to the students and demonstrate procedures for completion.
4. Students work with peers to test each object and complete the handout.
5. Use the completed student handouts to lead a group discussion about magnets.

Accommodations:

If students have difficulty reading the directions or recording the information, a variety of accommodations can be employed.

- The teacher can conduct the activity and model the process for the entire class.
- The activity can be completed at a center with an aide or with the teacher.
- The activity can be completed with a science buddy from an older grade.



Name: _____

Date: _____

Magnets Make it Move

1. Draw a picture of your magnet.



2. Use your magnet to pick up or move each of your objects.

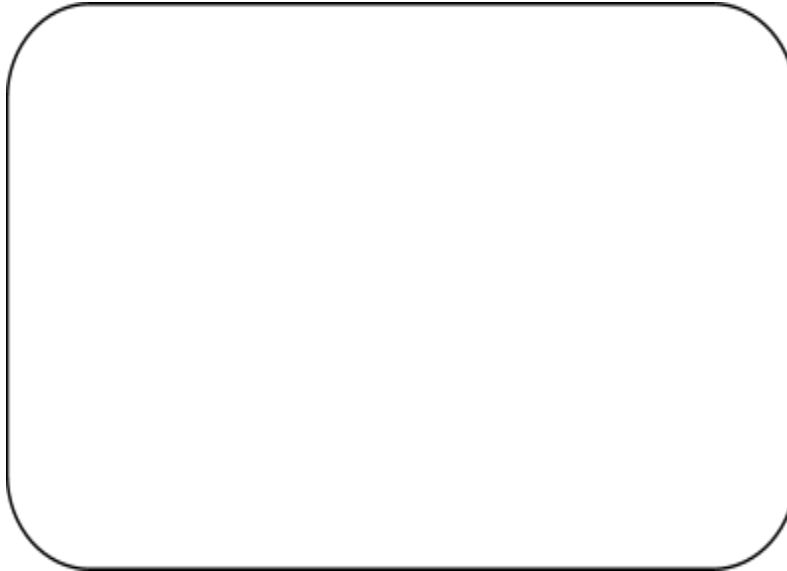
3. Does your magnet move all of the objects? YES NO

4. Draw a picture of one of the objects your magnet could NOT move.





5. Draw a picture of one of the objects your magnet could move.



6. What other objects do you think your magnet could move? Share your ideas with your group.

7. What other objects do you think your magnet could NOT move? Share your ideas with your group.