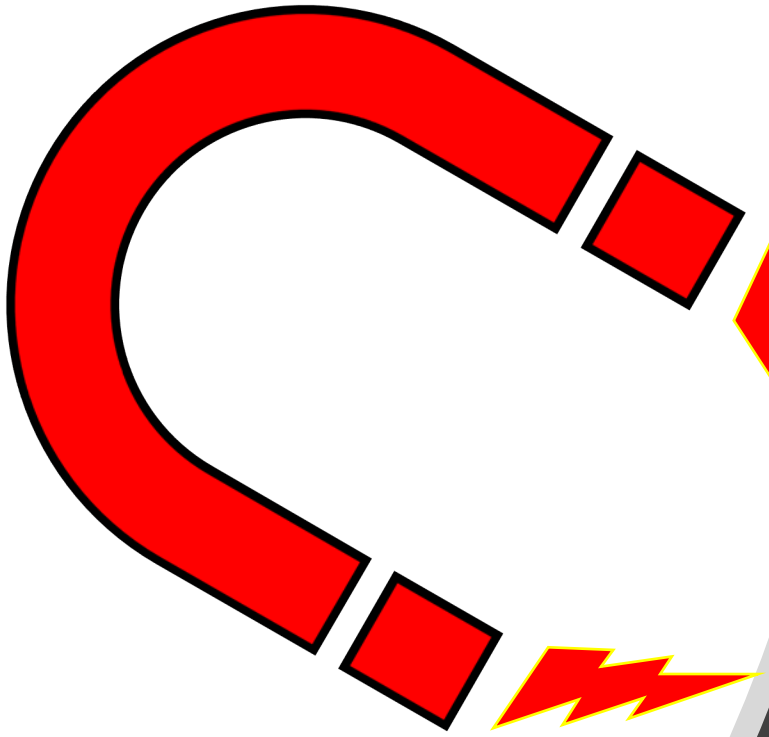
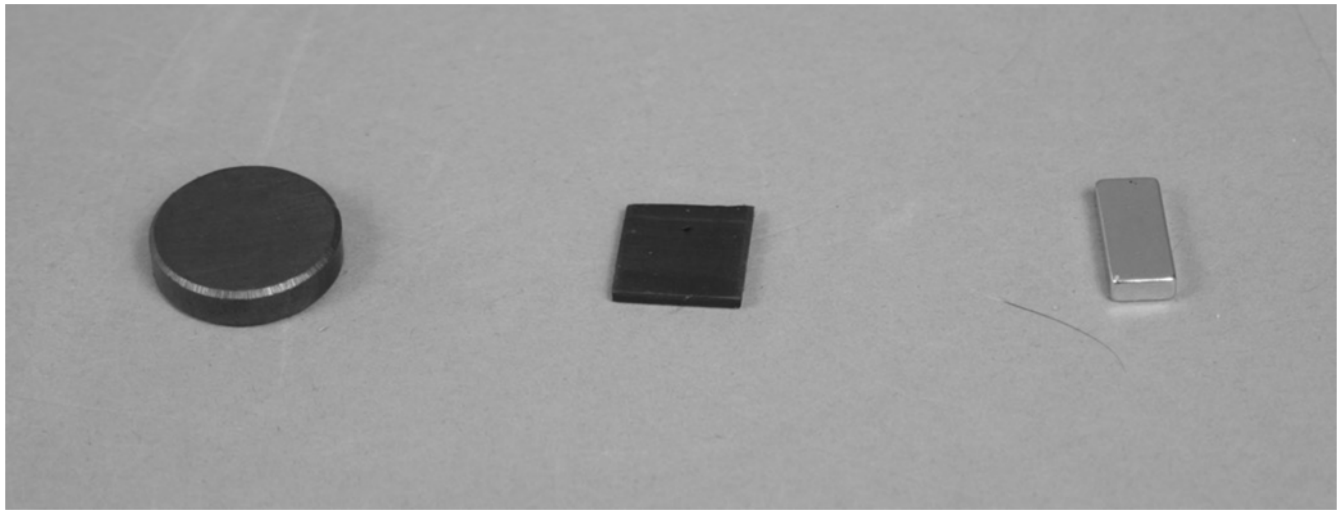


Hold ‘Em Up; Using Magnets for Artwork Display

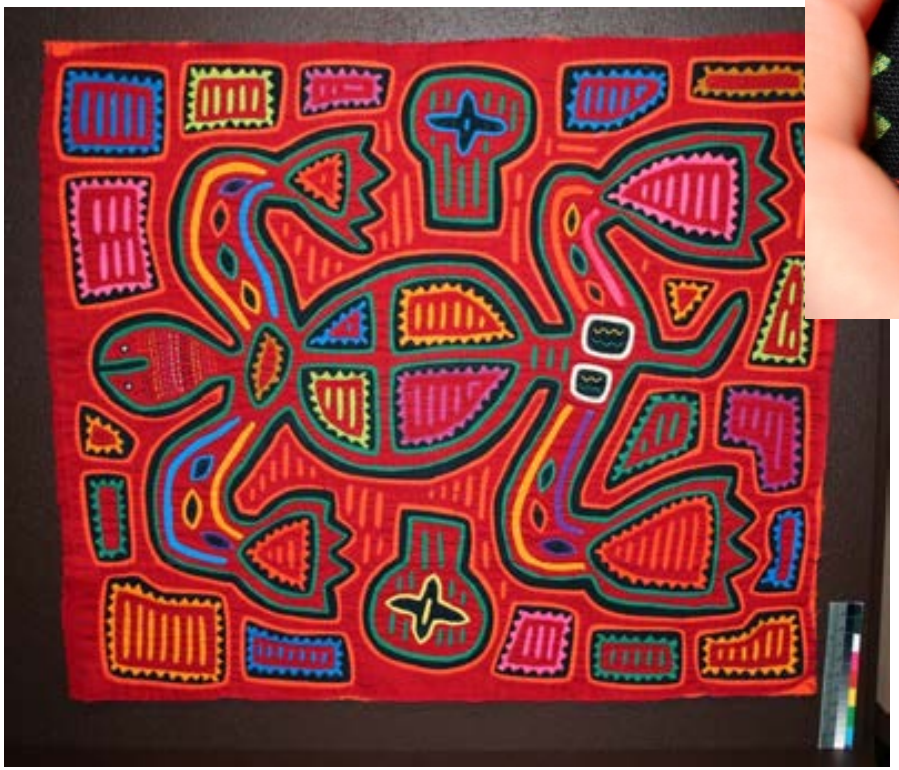
Week 1

Session 1

Magnets



In this activity, you will compare the strength of different magnets. [Include information about types of magnets?]



Magnets

Cloth Mola
Panama, 20th century
Carlos Museum

In the Carlos Museum we use magnets to hold some of the art on the walls.
This mola is a picture made with layers of colored cloth. Do you see the turtle?
We hang the mola on the museum wall by placing small magnets between the layers of cloth.
You don't even see the magnets hidden behind the cloth!

Paper Map
Italy, 16th century
Carlos Museum

This paper map is printed on 12 separate sheets of paper.
Each sheet is held to the wall by strip magnets.
(click to show frame) The magnets are hidden under the mat and frame.

Discover

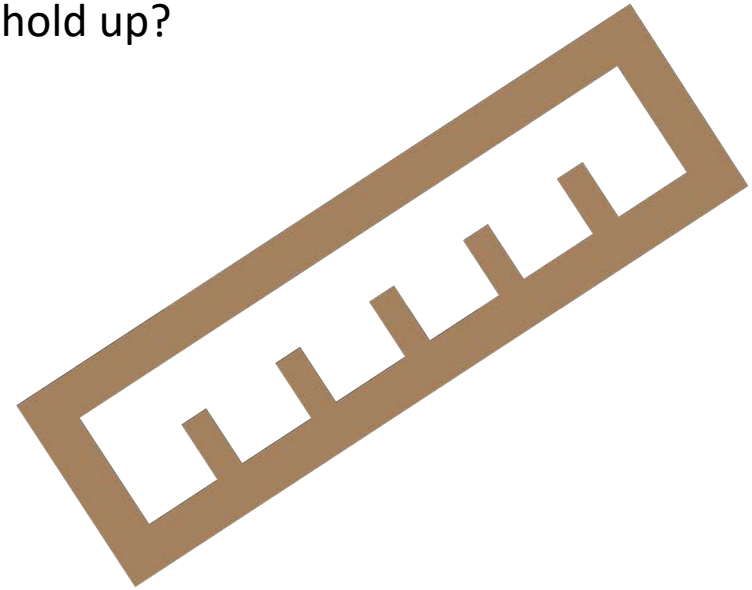
Which magnet is strongest?

Which magnet is weakest?

What did you discover about your magnets?
(Students may mark answers on worksheets.)

Predict

- Measure the thickness, width, and length of the three materials provided
- Which material will be hardest to hold up?
- Which one will be the easiest?



Students will answer these questions on their worksheet

Experiment

Data Table:

	Silver Rectangle Magnet	Black Circle Magnet	Black Square Magnet
Paper			
Felt			
Cardstock		✓	✗

(Teachers may need to edit magnet and materials descriptions in table.)
Which magnets can hold which materials? Let's do an experiment to find out.
Scientists do experiments to learn about materials. They record the results of the experiments.
Let's be scientists and record the results of our magnet experiments on a data table.
Test each magnet with one of each shape:

Mark a check in the box if the magnet holds the shape.

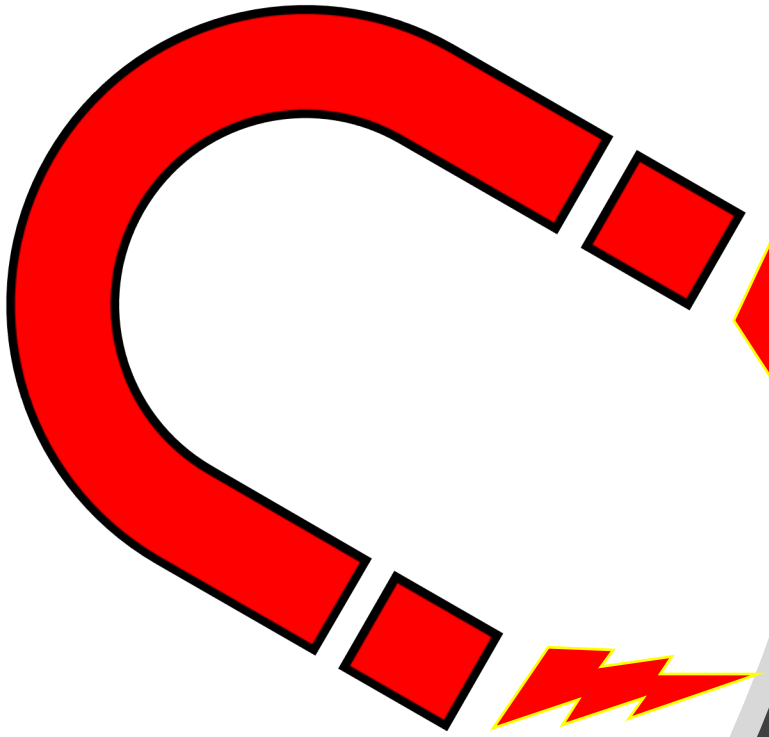
Mark an X in the box if the magnet does not hold the shape (the shape falls off the board).

Let's compare our results:

Which magnet can hold all of the shapes?

Which material can be held up by only one magnet? Which magnet worked for that material?

(students may record results on their worksheets.)



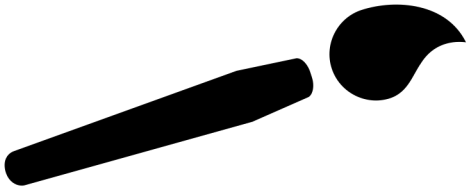
Hold 'Em Up; Using Magnets for Artwork Display

Session 2

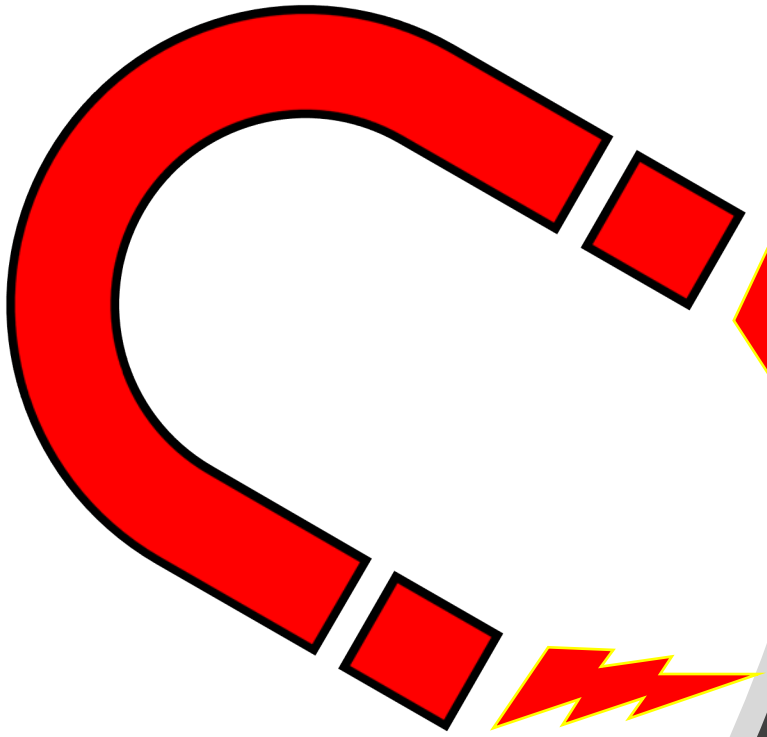
Week 2: Last week we looked at how artwork is hung using magnets at the Carlos Museum. This week we will make our own artwork to hang in our classroom gallery.

Here are some examples of works on paper from the Carlos Collection

Here are some examples of textiles from the Carlos Collection. Create your own paper and textile artwork. When you finish, measure the thickness, width, and length of each artwork and record it in your worksheet.



Create your own paper and textile artwork. When you finish, measure the thickness, width, and length of each artwork and record it in your worksheet.



Hold ‘Em Up; Using Magnets for Artwork Display

Session 3

Week 3

Paper Map
Italy, 16th century
Carlos Museum

Cloth Mola
Panama, 20th century
Carlos Museum

Remember the two works of art from the Carlos Museum that were hung with magnets? Notice how they use two different types of magnet. Why is that? With artwork, we need the magnet to be strong enough to hold it, but gentle enough to not damage it over time. Test each type of magnets with a piece of foam to see the effect of each magnet over time on a squishy material.

Now decide which magnet you will use for each of your artworks and create your classroom art gallery. On your worksheet, explain why you chose to use that magnet type.

EMORY | MICHAEL C. CARLOS MUSEUM

Don’t forget to look for these objects and more in our Galleries!

For more information about tours, visit: https://carlos.emory.edu/public-and-school-tours