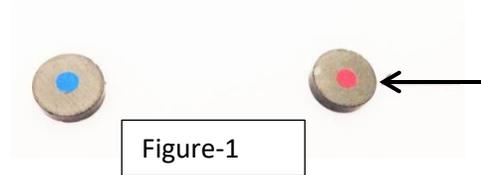


Magnetism!

Experiment 1: Do magnets take sides?

Hypothesis: YES NO



Data table:

Test	Top color	Pull or push?
1	Blue & Blue	
2	Red & Blue	
3	Red & Red	

Conclusion:

Do magnets take sides? YES NO

Opposite sides do what? PULL (attract) PUSH (repel)

Experiment 2: Which object is moved easiest by a magnet?

Hypothesis: NUT WASHER PAPERCLIP



Data table:

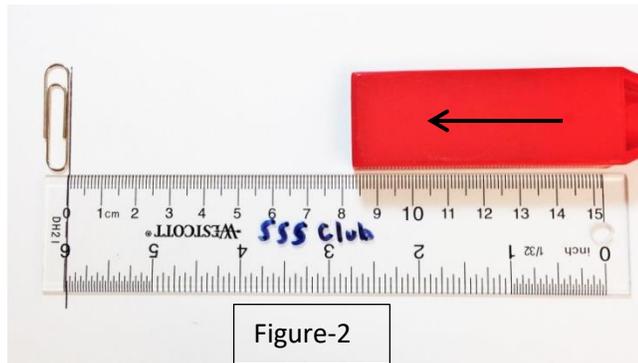
Object	Mass (grams)	Distance (mm)
Nut		
Washer		
Paperclip		

New Hypothesis / Conclusion: Which object is moved easiest by a magnet?

NUT WASHER PAPERCLIP

It moved the LONGEST or SHORTEST distance?

Activity: Magnet obstacle course and construction!



Explore Together

We explored the attractive forces of magnets today at Snapshot Science Club. Our first experiment determined that opposite sides or poles of magnets attract when they come near to each other while the same poles repel or push each other apart. After this, participants were shown a classic demonstration of the magnetic fields around each pole with some iron filings and a magnet. They could actually see the lines of force.

Measurement skills were needed for the second experiment which compared how three objects reacted to the same magnet. The object was placed even with the zero mark on the ruler and the magnet was moved slowly along the ruler toward the object. As soon as the object flew to the magnet, the magnet was stopped and the distance recorded. Ask your budding scientist about their hypothesis, data, and conclusion.

After completing our experiments, students were given the opportunity to try to steer a metal ball through a magnetic obstacle course which they designed or assemble some magnetic building projects.

If you have access to a magnetic compass, you can try some interesting demonstrations. One of my favorite requires a thunderstorm, however☺. Set the compass outside near a window so you can be safe inside and still see the effect. Of course, don't try this when the weather is severe, requiring you to head to the basement or stay away from all windows! Even without a thunderstorm, you can give your child some *direction* by asking them to predict which direction is north in each room and then test it with the compass. They will likely just take a guess in each room, but some may pick up on the pattern and start to develop their sense of direction.

Next Meeting: Fun with Friction!

Prize drawing each meeting...To encourage your child to share their experiences with you each meeting at Snapshot Club, there will be a prize drawing. Participants simply need to bring back this sheet to the next Snapshot Science Club meeting with your signature which indicates you have read the note and have discussed what they did with you. Their name will be put into a hat for a small prize related to science. There will be one winner each meeting.

Parent Signature _____