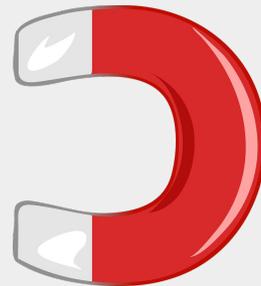




MAGNETS



By Cecilia Orantes C43

PURPOSE & HYPOTHESIS

With this experiment I want to demonstrate how much strength can have by using them together or separated and how to make magnets move.

I think that when we put the magnets near the circular magnet this one will move toward the magnet pile with the most magnets and it will ignore the piles with the least magnets.

RESEARCH

I found this information in a website called Babble Dabble Do in the part called Science projects for kids.

www.babbledabbledo.com

MATERIALS

- Different sized magnets
- 6 wooden sticks
- Paracord
- Round ferrite magnets
- Glue
- 4 Corks

This is what you need for the experiment.

EXPERIMENT

Step 1 - With the help of an adult build a pyramid with 6 chopsticks and 4 corks and glue, by using the corks to grip the chopsticks together.

Step 2 - Tie one of the round magnet with the paracord to the top of the pyramid, make sure the round magnet can swing from side to side.

Step 3 - Put 3 round magnets on the bottom side of the pyramid, 6 on the other side and 9 in the last side.

Step 4 - Gently spin the round magnet in a circle for a short time and then let go.

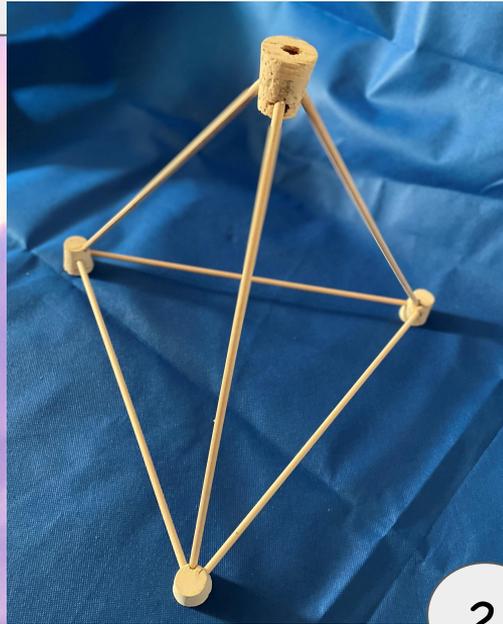
Step 5 - Observe to which of the three sides the magnet attracts to.

PHOTOS

These are the steps I needed to do to finalize my project.



1



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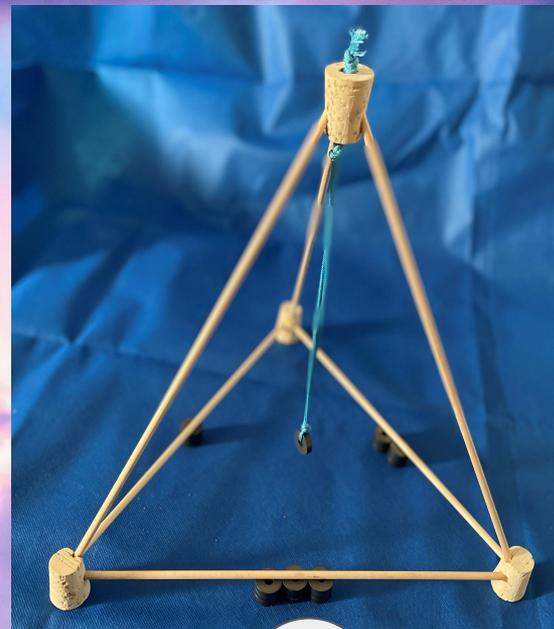
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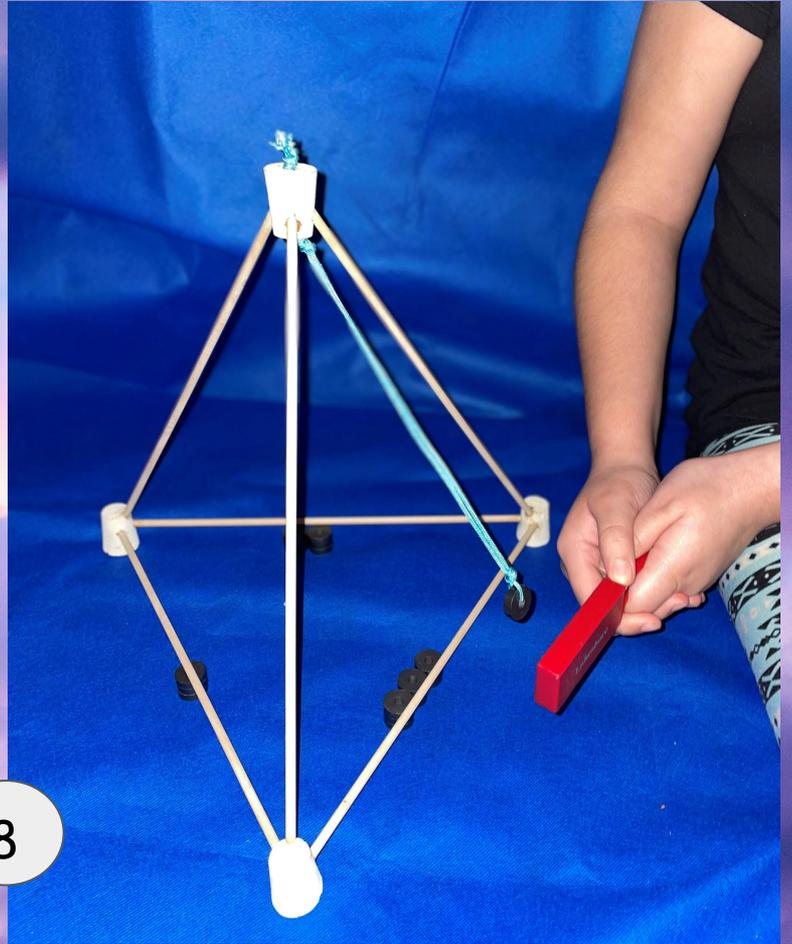
PHOTOS

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Final Project

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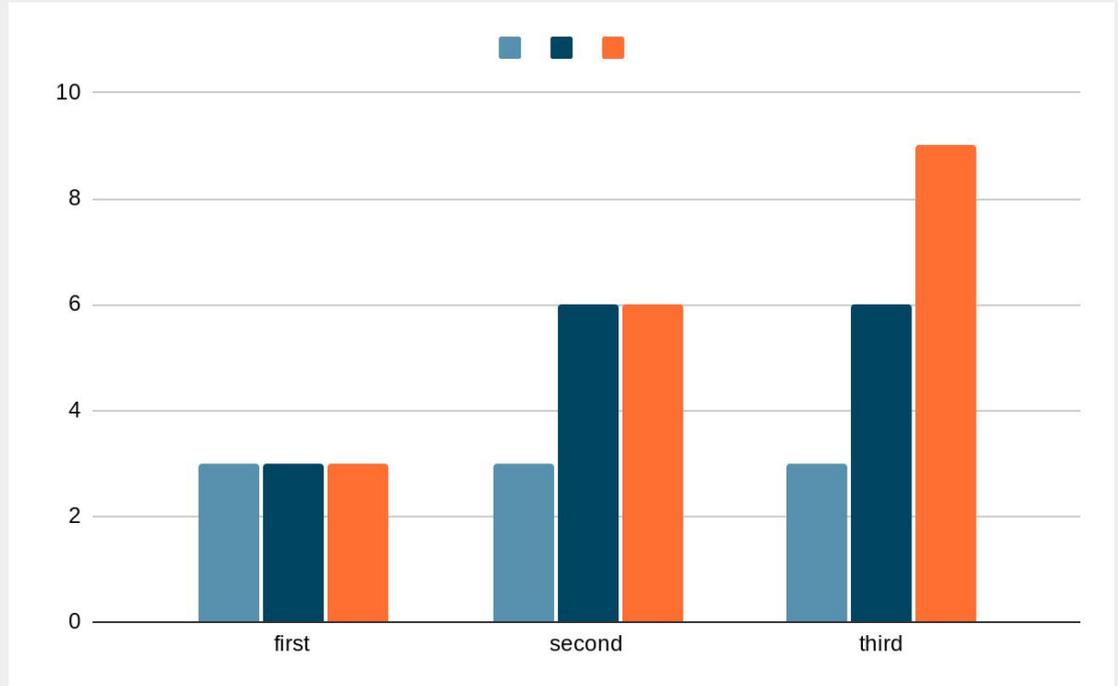


ANALYSIS

First we put 3 magnets in all bottom sides of the pyramid.

Second we put 3 magnets in one side, and 6 in the other two sides.

Third we put 3 magnets on one side, 6 on the other and 9 on the last.



CONCLUSION

My hypothesis was correct. I thought the round magnet was to swing to the bigger and stronger magnet(s) that will be the one(s) with 6 or 9 magnets. This is called attraction. Attraction happens when a smaller magnet moves towards the bigger magnet(s).

REAL WORLD CONNECTION

Magnetism is important to the world because the center of the Earth is a giant magnet. If the earth didn't have the giant magnet in the middle we would all be floating into space and we wouldn't live.

WORKS CITED

www.babbledabbledo.com

www.pinterest.com

- Experiments for kids.

www.youtube.com

- Real world science: Magnetism.

- Magnets and magnetism / magnet videos for kids.

- Science Max magnets part 1 / Science Max season 1.