

Day 5 - Magnets

Learning: What items are attracted by a magnet

Introduction:

Brainstorm what they know about magnets

Experiment 1 – what is attracted to the magnets?

Need:

1. Foam Cup
2. Aluminium Foil
3. Key
4. Screw
5. Pencil
6. Scissors
7. Worksheet
8. Magnet

Method:

Test each item to see if it is attracted to the magnet, fill out worksheet.

Discuss what is attracted to magnets – only items with iron in it are attracted to the Magnet.

Experiment 2 – Sand, Cereal and Magnets

Need:

1. Plastic Bag
2. Picture of a Face
3. Iron Sand
4. Magnet

Discuss why the iron sand is attracted to the magnet.



Discuss why sometimes the magnet repels other magnets.

The magnet has two poles, a north pole and a south pole. The north pole is attracted to the south pole.

Show them a globe does earth have north and south pole?

What is the earth made up of? Iron.

So earth also has a magnetic field around it.

Earth has magnetic fields like that of a bar magnet with a pole at each end



Experiment 3 – to make a magnet compass

Need:

1. Needle
2. Cork
3. A bowl of Water
4. Magnet

Method:

1. Start by rubbing a needle against a magnet 50 times in the same direction, which will magnetize it.
2. Push the needle horizontally through the piece of cork so that it comes out the other side.
3. Place the cork into a bowl of water and watch as the needle aligns itself to point North and South.

Discuss how the magnet worked.

Craft – make fish with fishing rod