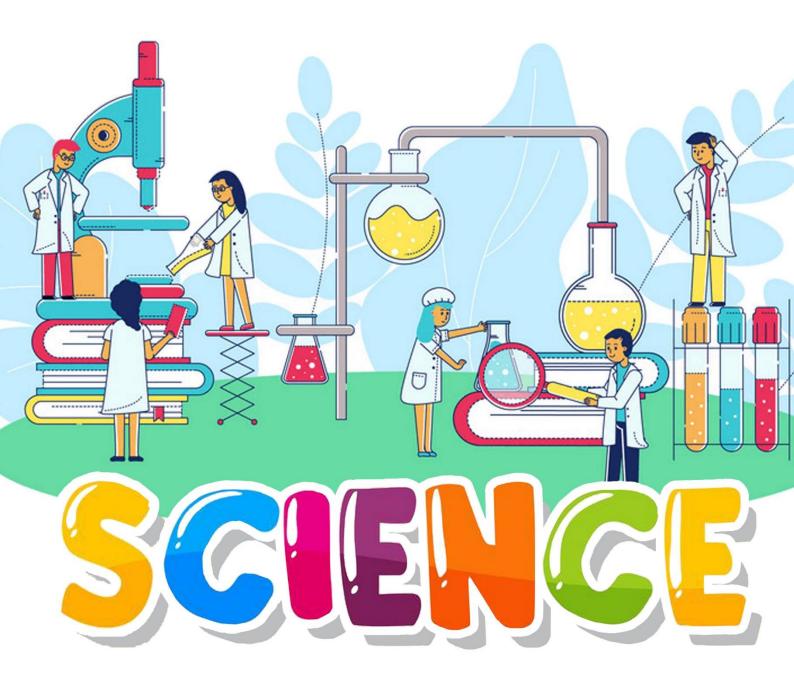


Grade 8







Magnets

Types of magnets

Activity 1

Recall the things you have learnt in grade 6 about types of magnets. Name the types of magnets given below.



Magnetic materials

Activity 2

Find any type of magnet that can be found at home. Hang it using a thread. Collect different materials. (Ex: piece of plastic, iron nail, copper wire, piece of wood etc..). Then bring the objects near the hanging magnet and observe well.

Materials that attracted to the magnet	Materials that didn't attract to the magnet

❖ Materials that attract towards magnets are known as magnetic materials.

Ex: Iron, Nickel, Chromium

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Poles of a magnet

Activity 3

Go to the garden with your magnet and collect iron fillings by placing a magnet on the ground. Now, remove the iron fillings from the magnet and put the magnet into a polythene bag. Then, place it on the iron fillings and observe.

1

Activity 4

Let us make a magnetic boat

Take a piece of polystyrene, a magnet on which poles are not marked, a magnet on which poles are marked, glue & a basin of water.

Then make a simple boat as shown in the following figure. Now keep it in the basin of water.

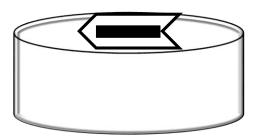
Then, take your magnet where poles are marked and bring one end of it closer to the boat. Observe well.



1. Cut the piece of polystyrene as shown in the figure.



2. Fix the magnet to the polystyrene.



3. Place it on the water basin. Direct the marked magnet towards the front and back side of the boat you have made.

Observations:		

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❖ Like poles will repel and unlike poles will attract.

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North – North Repel
North – South Attract
South – South Repel
South – North Attract
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Magnetic field of a magnet

Activity 5

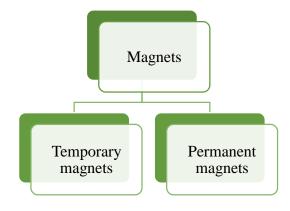
Put some iron fillings on to a cardboard / A4 sheet. Then place the magnet underneath the A4 sheet and observe the patterns. Draw a rough sketch of them.

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Activity 6

Collect facts on geomagnetism and compass. Make an article to be post on school wallpaper.

Temporary magnets and permanent magnets



Science Grade 8



	thods to make a p	_			
	ower of permanen	_			
Draw a roug	h sketch to illustr	ate the method	of storage of	magnets.	