Science - Physics
Lesson 3
Magnets - games

Activity 1

Look at the list of objects predict which of them are magnetic or non-magnetic. If you have a magnet at home, test these objects with it. If you don't have a magnet, check whether you were right on the next page.

Is it Magnetic?

You will need: A magnet, the objects named below.

- Predict which objects will be attracted to a magnet.
- Record your results.

Object	Prediction	Result
 2p coin		
 5p coin		
Ruler		
 Pin		
 Pencil		
 Paper Clip		
Paper		
 Foil		
 Rubber		
 Scissors		
 Spoon		
 Lego		
 Clothes Peg		

Activity 1 – answer.

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Activity 1 – explanation.

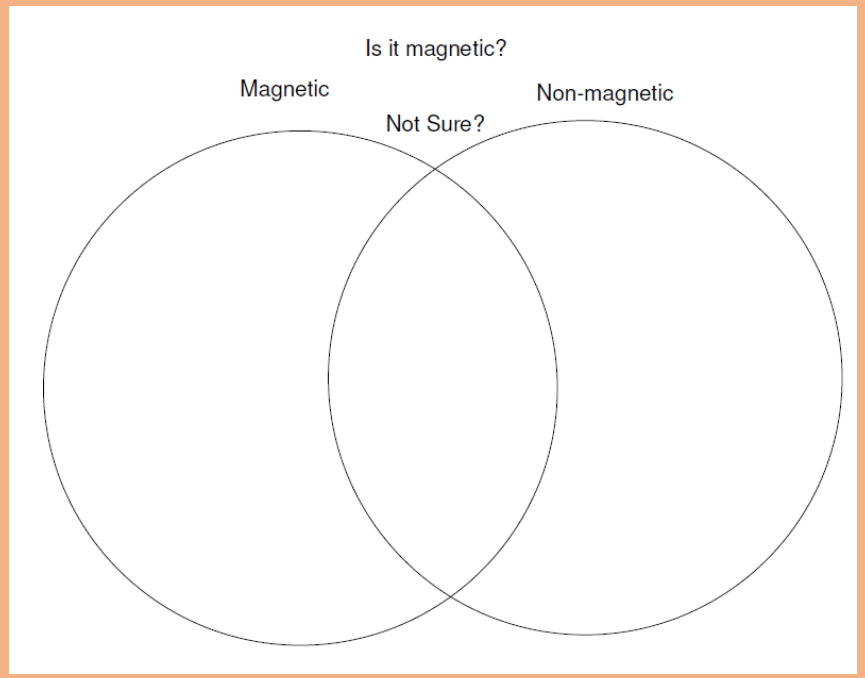
Look at the list again and explain in your own words why some objects were non-magnetic, for example:

Rubber – it is not metal so magnets don't act on it.

Activity 2 - Classification

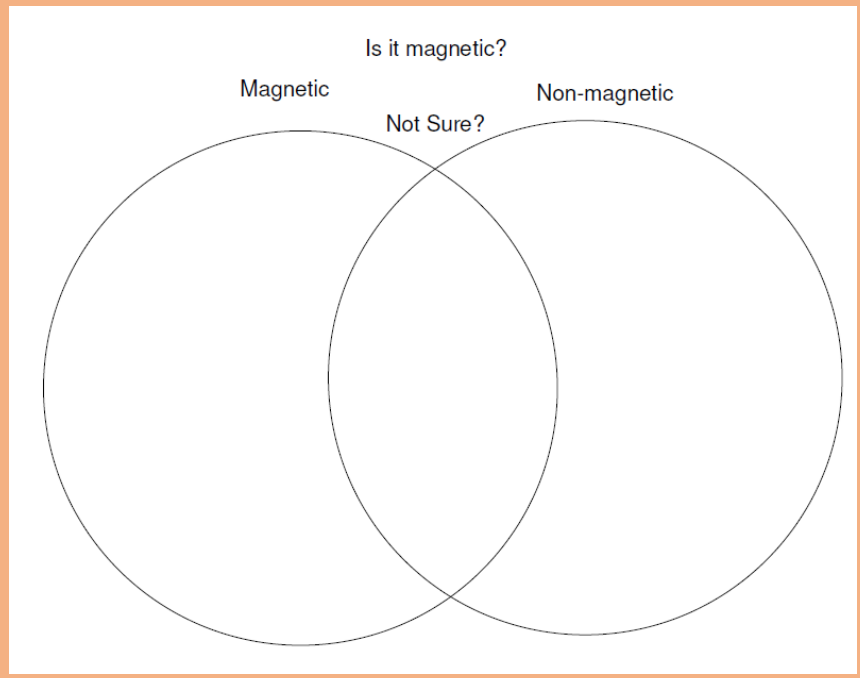
In pairs or groups of three. You cut out the small pictures on the sheet . If you want to add miscellaneous items beforehand you can draw pictures in the 9 empty boxes. The group have to then classify the objects according to whether or not you think that they are magnetic.

DO NOT GLUE ANYTHING AT THIS STAGE.



Activity 2 - Classification

Make a list of magnetic and non-magnetic objects from your diagram.



Activity 3 – The track game

Each group (up to 4 players) will need a baseboard (sheet 1) and a coin. Players take turns to toss the coin. If it lands on 'heads' they move forwards one space. If it lands on 'tails' then they move on 2 spaces. If they land on something that is magnetic, then they move on an extra square.

Milestones:

- **Observe how magnets attract or repel each other and attract some materials and not others.**
- **Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.**