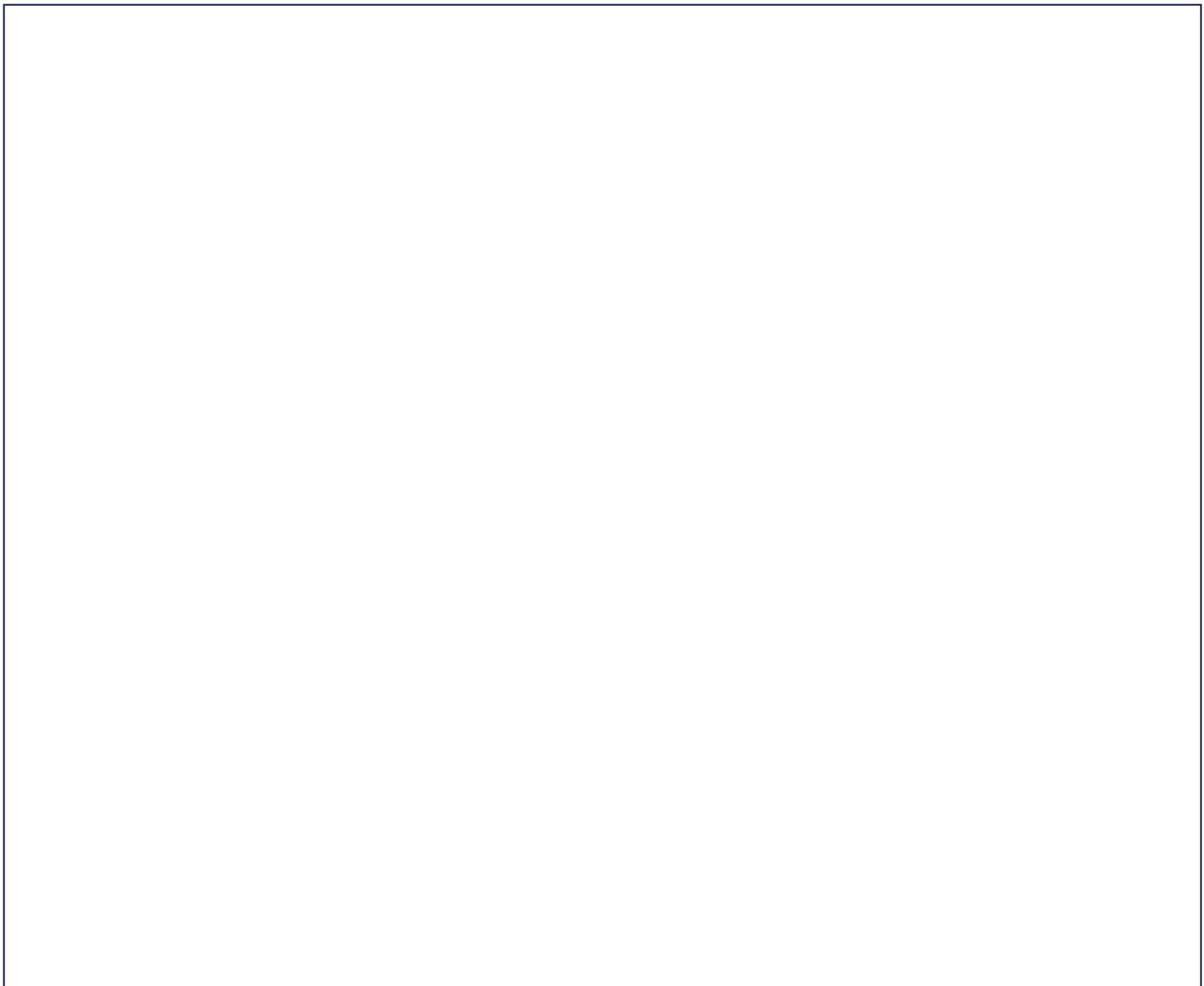


Nova's Magnetic Exploration

Learning objective: To identify and label the parts of a magnet and understand how magnets interact with magnetic materials.

Use your knowledge of magnets to complete the diagram and answer the questions below. Nova the owl needs your help to map out her magnetic science experiment!

Draw: Draw a large bar magnet in the centre of the page. Include two other objects near it: one paperclip (magnetic) and one wooden pencil (non-magnetic). Use dotted lines to sketch the invisible magnetic field looping around the magnet. Use a clear, labelled diagram style.



Label words: North Pole · South Pole · Magnetic Field · Attraction · Repulsion · Magnetic Material

Steps:

1. Explain what happens when two like poles (e.g., North and North) are brought close together.
2. List three common objects found in a classroom that would be attracted to a magnet.
3. Label the poles on your drawing and draw arrows showing the direction of the magnetic field.
4. If a magnet costs £2.50 and you want to buy three of them for your experiment, how much would they cost in total?
5. Why is it important to keep magnets away from electrical devices like tablets or computers?