Nova’s Magnetic Investigations: A Science Report

Learning objective: To describe how magnets attract or repel each other and identify magnetic materials.

Use this writing frame to record your findings from your science experiments with magnets. Use scientific vocabulary to explain your observations.

Nova the owl has been testing various objects in her forest treehouse to see which ones are magnetic.

Word bank: attract · repel · magnetic · non-magnetic · poles · force · investigation · because · however · consequently

1. Introduction: What was the aim of your investigation? Start by saying: 'My investigation was designed to find out...' (2 marks)

2. Method: How did you test the objects? Start by saying: 'To test each object, I carefully...' (2 marks)

3. Results: Which materials were attracted to the magnet? Start by saying: 'I discovered that the items made of... were magnetic because...' (3 marks)

4. Poles: What happens when you put two magnets together? Start by saying: 'When I placed the same poles together, they... but when I swapped them, they...' (3 marks)

5. Conclusion: What have you learned about magnets? Start by saying: 'In conclusion, magnets have a special force that...' (2 marks)

Extension challenge: Challenge: Can you draw a diagram showing the invisible magnetic field lines between two magnets that are repelling each other? Label the North and South poles.