

Nova's Magnetic Discovery: A Scientific Report

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

Use this writing frame to help Nova the owl report her findings on how magnets work. Use the word bank to help you join your ideas together.

Nova the owl has been busy in the forest using her special magnets to investigate which objects are attracted to them.

Word bank: attract · repel · magnetic force · poles · materials · iron · steel · however · consequently · furthermore

1. Introduction: What is a magnet and what did you set out to investigate? Start with: A magnet is an object that... (2 marks)

2. Magnetic Materials: Which materials are magnetic? Start with: During my experiment, I discovered that objects made from... (2 marks)

3. Poles and Forces: What happens when you put two magnets together? Start with: Every magnet has two poles, the north pole and the south pole. When I placed the magnets together... (3 marks)

4. The Invisible Force: How would you describe the way a magnet works without touching an object? Start with: The magnetic force is invisible, yet it is strong enough to... (2 marks)

5. Conclusion: What have you learned about magnets today? Start with: In conclusion, my investigation shows that... (2 marks)

Extension challenge: Imagine you are building a magnetic toy. Write one paragraph explaining how you would use the 'repel' force to make a part of your toy hover or move without touching it.