

Nova's Magnetic Investigation Log

Learning objective: To identify magnetic materials and observe how magnets interact with different objects.

Join Nova the owl in her laboratory! Use this log to record your findings as you test different objects to see if they are attracted to a magnet. Remember to handle your equipment carefully and make your predictions before you begin the experiment.

Word bank: attract · repel · magnetic · non-magnetic · metal · force · pole · predict

1. My Prediction: Look at the objects you have chosen. Write down which ones you think will be attracted to the magnet and explain why. (2 marks)

2. Testing Results: Create a list or table here showing which objects were magnetic and which were non-magnetic after you tested them. (3 marks)

3. Observation: Did you notice any difference between how the magnet pulled on different magnetic objects? Describe what happened. (2 marks)

4. The Science Bit: Based on your experiment, which materials seem to be magnetic? Do they have anything in common? (2 marks)

5. Conclusion: If you had two magnets, what would happen if you pushed the two North poles together? Use the word 'repel' in your answer. (2 marks)

Extension challenge: Nova wants to know if the strength of a magnet changes if you move it further away from an object. Write a short plan for how you could test this.