

Nova's Force Investigation Report

Learning objective: To identify and describe how objects move on different surfaces using the language of forces.

Hello! Nova the owl is studying forces today. Help her record your experiment results by filling in the boxes below. Use the word bank to help you spell your ideas. Write in short, clear sentences.

Word bank: force · push · pull · friction · surface · rough · smooth · slow · fast

1. The Investigation: Which two surfaces did you test? (For example: carpet and wood) (2 marks)

2. The Push: What force did you use to move your object? (1 mark)

3. The Observation: Which surface made the object move faster? Why do you think that is? (3 marks)

4. The Conclusion: What happened when the object moved across the rough surface? (2 marks)

Extension challenge: Can you draw a diagram of your object? Use arrows to show the direction of the push force.