

Forces and Interactions

Use this worksheet after reading the lesson to practise the key ideas and prove you can meet the success criteria.

Name	_____
Date	_____
Class	_____

1. Key Ideas

Every force you have ever felt had a source — and that source felt something back.

- What a force is and its SI unit
- Why forces always act in pairs on different objects

2. Success Criteria

By the end, you should be able to:

- What a force is and its SI unit
- The difference between contact and field-mediated forces
- Newton's First Law — qualitative statement

3. Key Terms

Key idea

The central concept from Forces and Interactions.

Evidence

Information, observations or calculations used to support an answer.

Explain

Give a reasoned answer that links cause and effect.

Apply

Use a learned idea in a new example, problem or scenario.

4. Activity: Build the Lesson Map

Use the lesson to complete the table. Keep answers brief but specific.

Prompt	Your answer
Main concept	
Important example	
Common mistake to avoid	
How this links to the next lesson	

5. Short Answer Questions

1. Explain this lesson goal in your own words: "What a force is and its SI unit". Use one specific example from the lesson.

BAND 3 **2 MARKS**

2. Apply this idea to a new example: "The difference between contact and field-mediated forces". Show your reasoning clearly.

BAND 4 **3 MARKS**

3. Analyse why this idea matters for understanding Forces and Interactions: "Newton's First Law — qualitative statement".

BAND 5 **4 MARKS**

6. Extend: Apply the Idea

BAND 5/6 **5 MARKS**

A student gives a memorised answer about Forces and Interactions but does not use evidence or reasoning.

Improve the answer by writing a stronger response that uses accurate terminology, a relevant example and a clear explanation.

7. Multiple Choice

1. What is the best first step when answering a question about Forces and Interactions?

- A. Identify the key concept being tested
- B. Write every fact from memory
- C. Ignore the command word
- D. Skip examples and evidence

2. Which answer would show stronger understanding of Forces and Interactions?

- A. An answer with accurate terms and reasoning
- B. A copied definition only
- C. A single-word response
- D. An answer with no example

3. What should you do if a question asks you to explain?

- A. Link the idea to a reason or cause
- B. List unrelated facts
- C. Only draw a diagram
- D. Write the shortest possible answer

8. Success Criteria Proof

Finish with evidence that you can do each success criterion.

SUCCESS CRITERION 1

Prove that you can: What a force is and its SI unit

BAND 3

2 MARKS

SUCCESS CRITERION 2

Prove that you can: The difference between contact and field-mediated forces

BAND 4

3 MARKS

SUCCESS CRITERION 3

Prove that you can: Newton's First Law — qualitative statement

BAND 5

4 MARKS

One thing I still need help with:
