

# Acceleration

## Module: Kinematics

### Table of contents

Overview . . . . .	1
Core Ideas . . . . .	1
Key Formulas . . . . .	1
Exam Focus . . . . .	2
Related Concepts . . . . .	2

### Overview

Rate of change of velocity

### Core Ideas

- Define the concept in your own words.
- Identify the key variables and relationships.
- Connect the concept to the module inquiry question.

### Key Formulas

- Velocity:

$$v = u + at$$

- Displacement (2):

$$v^2 = u^2 + 2as$$

## **Exam Focus**

- Expect both multiple choice and short answer questions.
- Show working and use correct units.

## **Related Concepts**

- Review the linked module section for context and extensions.