

# MATHEMATICS

QUALIFICATION	Mathematics
EXAMINING BOARD	Edexcel
CONTACT TEACHER	Mrs McGladdery
LESSONS PER FORTNIGHT	8

## Assessment

Overview		
Tier	Topic	Weighting
Foundation	Number	22 - 28%
	Algebra	17 - 23%
	Ratio, Proportion and Rates of change	22 - 28%
	Geometry and Measures	12 - 18%
	Statistics & Probability	12 - 18%
Higher	Number	12 - 18%
	Algebra	27 - 33%
	Ratio, Proportion and Rates of change	17 - 23%
	Geometry and Measures	17 - 23%
	Statistics & Probability	12 - 18%

The qualification consists of three equally-weighted written examination papers at either Foundation tier or Higher tier.

- Paper 1 is a non-calculator assessment and a calculator is allowed for Paper 2 and Paper 3.
- Each paper is 1 hour and 30 minutes long.
- Each paper has 80 marks.
- The content outlined for each tier will be assessed across all three papers.
- Each paper will cover all Assessment Objectives, in the percentages outlined for each tier (See table).
- Each paper has a range of question types; some questions will be set in both mathematical and non-mathematical contexts.



## Course Overview

The aims and objectives of the Pearson Edexcel Level 1/Level 2 GCSE (9–1) in Mathematics are to enable students to:

- Develop fluent knowledge, skills and understanding of mathematical methods and concepts.
- Acquire, select and apply mathematical techniques to solve problems.
- Reason mathematically, make deductions and inferences, and draw conclusions.
- Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.

## What will you learn?

The assessments will cover the following content headings:

- Number
- Algebra
- Ratio, proportion and rates of change
- Geometry and measures
- Probability
- Statistics

At Alder we follow the Edexcel 2-year GCSE Mathematics Scheme of Work.

Two tiers are available: Foundation and Higher (Specific content is defined for each tier).

## Careers

A key purpose of this qualification is to provide a strong foundation for further academic and vocational study and for employment. Also, to give students the appropriate mathematical skills, knowledge and understanding to help them progress to a full range of courses in further and higher education.

This includes A level mathematics courses as well as A levels and undergraduate courses in other areas such as biology, geography and psychology, where the understanding and application of mathematics is crucial.