



Further Education

FURTHER STUDY

A Level Maths
A Level Further Maths
Core maths

CAREER PATHS

Meteorologist, Mathematics teacher, Accountant, Research analyst, Computer programmer, Financial analyst, Financial planner, Information security analyst, Civil engineer, Auditor, Statistician, Mathematician, Economist, Algorithm engineer, Software engineer, Actuary, Data scientist, Aeronautical engineer, Robotics engineer, Agricultural inspector, Payroll administrator, Investment operations technician, criminologist, financial advisor, Stockbroker, Tax adviser.

INTEREST

Solving problems and applying understanding to new and unfamiliar situations.

Skills developed through GCSE Maths:

- Communication – active listening, oral, written and non-verbal communication.
- Constructing and clearly presenting mathematical and logical arguments.
- Turning real-world problems into mathematical problems.
- Problem solving skills which transfer to all areas of the curriculum, to life in general and to the world of work.
- Resilience – to approach mathematics with confidence and persistence in the face of difficulty and a willingness to discuss, reflect and research.

Curriculum Overview

Welcome Curriculum Overview

Stage 11 End of Year assessment - Units 11.1 - 11.9
11.10 Advanced area and volume

11.7 3D shapes
11.8 Inequalities
11.9 Proof

11.6 Vectors
Diagnostic Tests - 11.7, 11.8, 11.9 and 11.10

Assessment Point 2 - Units 11.1 - 11.4
11.5 Combining transformations

11.3 Grouped frequency data representation.
11.4 Trends
Diagnostic Tests - 11.5 and 11.6

11.1 Rates of Change
11.2 Further Sequences
Diagnostic Tests - 11.3
Assessment Point 1 - Units 11.1 and 11.2

This is what a typical year 11 pupil will study over the final year, this could change depending on diagnostic assessments.

AO1
Use and apply standard techniques

AO2
Reasoning, interpreting and communicating mathematically

AO3
Solving problems with a much greater focus on solving non-routine problems in mathematical and non-mathematical contexts