

Maths

A-Level

Edexcel

Course Content

Within the Edexcel specification, content is categorised into two areas: Pure Mathematics and Applied Mathematics.

Within Pure Mathematics you will spend the first term building on your GCSE understanding studying specific areas within algebra, equations, and graphs before moving onto coordinate geometry and circles. From January you will explore transcendental functions (functions which cannot be described using polynomial equations) within trigonometry, exponentials, and logarithms. Late spring you will be introduced to calculus relating all your previous topics studied. Meanwhile, within your Applied studies you will spend time studying both mechanics and statistics.

In Year 13 you will study both polynomial equations and transcendent functions at a deeper level before studying series and sequences, parametric functions, and radians.

Independent learning

Students will be set an hour of work a week for Pure maths, an hour a fortnight for Stats and Mechanics, through DrFrost.

Students should endeavour to complete and submit the independent study tasks set by their teacher to ensure that they embed key learning, develop a good work ethic and to allow them to make as much progress as possible.

Assessment

Each paper is 2-hour written examination worth 33.33% of the qualification.

Paper 1: Pure Mathematics 1 (Paper code: 9MA0/01)

Paper 2: Pure Mathematics 2 (Paper code: 9MA0/02)

Paper 3: Statistics and Mechanics (Paper code: 9MA0/03)

Useful websites and reading materials

<https://www.physicsandmathstutor.com/maths-revision/>
<http://mathsgenie.co.uk/newalevel.php>