



OVERVIEW

In the Year 11 curriculum students continue to study topics from the six content headings of the Edexcel GCSE Maths specification that they started in Year 10: 1. Number, 2. Algebra, 3. Ratio, proportion and rates of change, 4. Geometry and measures, 5. Probability and 6. Statistics. Each strand builds on their prior learning from KS2 and KS3 with students learning how to use and apply standard techniques (AO1, 40%), reason, interpret and communicate mathematically (AO2, 30%) and solve problems within mathematics and other contexts (AO3, 30%). There are three 1hr 30min examinations in May/June that are equally weighted; one non-calculator and two calculator allowed.

Autumn

Half Term 1

- Recurring decimals
- Quadratic sequences
- Simultaneous equations

Half Term 2

- Further trigonometry
- Inequalities
- Functions

Assessment:

Continuous assessment every lesson using questioning, mini whiteboards and marking of independent work.

End of Topic Tests

Mock examinations in November.

Personal development:

Spring

Half Term 3

- Iteration
- Algebraic proof
- Circle theorems
- Histograms

Half Term 4

- Vectors
- Gradient and area under a curve
- Graphical transformations
- Congruence
- Constructions and loci

Assessment:

Continuous assessment every lesson using questioning, mini whiteboards and marking of independent work.

Fortnightly past-paper exam

Mock examinations in March.

Personal development:

Summer

Half Term 5

- Bespoke lessons to address the needs of Question Level Analysis of Mock Examinations.

Assessment:

Continuous assessment every lesson using questioning, mini whiteboards and marking of independent work.

Fortnightly past-paper exam

GCSE Examinations in May/June.

Personal development:

Useful resources for supporting your child at home:

Videos on Sparx (www.sparxmaths.uk)

Videos on Corbett Maths ([Videos and Worksheets – Corbettmaths](#))

[CGP GCSE Maths Edexcel Revision Guide](#)

Homework:

Homework will be set on Sparx (www.sparxmaths.uk). Homework is set once a week on a Wednesday and is due the following week by 8.00am Tuesday. Students are expected to complete 100% of their homework each week. Homework is bespoke for all students depending on their performance in previous weeks. There is a 100% Club each Monday 3.00 – 4.00pm and a Sparx Catch-up each Tuesday 3.00 – 4.00pm.