



OVERVIEW

In the Year 10 curriculum students study topics from the six content headings of the Edexcel GCSE Maths specification: 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%).

Autumn

Half Term 1

- Rearranging formulae
- Linear graphs
- Linear simultaneous equations
- Volume

Half Term 2

- Compound measures
- Quadratics - algebraic
- Quadratics - graphical
- Further Graphs

Assessment:

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

End of Topic Tests

Personal development:

Spring

Half Term 3

- Probability
- Statistics
- Cumulative frequency and box plots

Half Term 4

- Growth and Decay
- Ratio
- Further ratio
- Similar shapes

Assessment:

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

End of Topic Tests

Mid-year summative assessment

Personal development:

Summer

Half Term 5

- Algebraic proportion
- Surds
- Right-angles trigonometry

Half Term 6

- Bounds
- Bearings and Scale Drawings
- Catch-up
- Intervention and Boost

Assessment:

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

End of Topic Tests

End of year summative assessments

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.