

Year 9 Overview

A continuation of deeper level mathematics. This year we start to stretch all students where possible into higher tier GCSE learning. We continue to retrieve all Number and proportion skills throughout the year.

Half Term	Curriculum Plan
1	The cartesian grid. Co-ordinates, graphs and equations - starting to look at some GCSE algebra knowledge of parallel lines and a first look at quadratic equations. Introduction to sequences.
2	Linear Inequalities. A short recap from year 8 and then expanding on this knowledge. Possible extension into higher GCSE content of inequalities on graphs Ratio.
3	Standard form - with possible extension into engineering.
4	Contextual graphs. A look at how real-life data can be displayed in a graphical format. Introduction to probability.
5	Congruence and Similarity. Right angled triangles. Pythagoras and Trigonometry. This block starts to split our students into higher and foundation learners.
6	Circles. Focusing on area and circumference with possible extension into higher tier abstract circle theorems. Advanced proportion and rates of change. A lot of links to algebra.

Homework:

All homework is set on Sparx maths on a Monday to be submitted by a Sunday evening. Focussing on all learning up to this point.
Timetables practice included.

Useful links:

[Sparx Maths Login](#)
[KS3 Maths - BBC Bitesize](#)
[OAK National Academy - Maths](#)

Assessments:

At the end of each topic, students complete a post-diagnostic assessment in class. These short assessments help identify how well students have understood the key concepts and allow teachers to address any gaps.
There are two main formal assessment points during the year:

AP1 w/c 19th January – formal assessment covering all content taught up to that point

AP2 w/c 22nd June - formal assessment reviewing all topics covered throughout the year