



OVERVIEW

In the Year 7 curriculum students study topics from four key strands of mathematics: Number, Algebra, Geometry and Ratio & Proportion. Each strand builds on their prior learning from the primary curriculum. We focus on developing knowledge and skills in each of the four strands which students will then build on to solve problems and exhibits their mathematical reasoning.

Autumn

Half Term 1

- Numerical Skills
- Order of operations
- Introduction to algebra

Half Term 2

- Primes, Factors and Multiples
- Expanding and factorising
- Addition and Subtraction
- Perimeter

Assessment:

Baseline assessments on entry to ICA.

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

End of Topic Tests

Personal development:

Spring

Half Term 3

- Mean
- Multiplication and Division
- Area of triangles and quadrilaterals

Half Term 4

- Fraction Manipulation
- Adding and Subtracting Fractions
- Comparing and Ordering Fractions
- Fractions of amounts

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

- Polygons
- Angles
- Coordinates

Half Term 6

- Time
- 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](http://Videos and Worksheets - Corbettmaths))

CGP KS3 revision guides/work books (KS3 Maths | CGP Books)

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.