



### OVERVIEW

In the Year 8 curriculum students study topics from four key strands of mathematics: Number, Algebra, Geometry and Ratio & Proportion. Each strand builds on their prior learning from Year 7 and 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

- Powers and roots
- Prime factorisation
- Rounding
- Fractions

#### Half Term 2

- Solving equations
- Angles in parallel lines
- Circumference

#### Assessment:

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

End of Topic Tests

#### Personal development:

### Spring

#### Half Term 3

- Direct proportion
- Fractions, decimals and percentages
- Percentage calculations

#### Half Term 4

- Ratio
- Area of circles

#### 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

- Statistics – presenting and interpreting data
- Averages and spread

#### Half Term 6

- 3-D visualisation
- Volume
- 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](http://www.sparxmaths.uk)) Videos on Corbett Maths ([Videos and Worksheets – Corbettmaths](http://Videos and Worksheets – Corbettmaths))

CGP KS3 revision guides/work books ([KS3 Maths](http://KS3 Maths) | [CGP Books](http://CGP Books))

#### Homework:

Homework will be set on Sparx ([www.sparxmaths.uk](http://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.