

Year 8 - Maths

What will be studied?		
Topic(s)		
Autumn 1	<p>Number: Mental maths, directed numbers, squares, cubes, roots</p> <p>Area and Volume: Area of shapes, volume of 3D shapes, surface area, metric and imperial units</p>	Baseline and data handling assessment.
Autumn 2	<p>Expressions and Equations: Simplify algebra, expand, factorise, solve</p> <p>Calculating with Fractions: Simplify, order, add, subtract, multiply, divide</p>	End of term assessment
Spring 1	<p>Decimals and Ratios: Round, order, multiply, divide decimals Simplify, share in ratios</p> <p>Real-Life Graphs: Draw and interpret real life graphs</p>	End of unit assessment
Spring 2	<p>Line and Angles: Angle facts, properties of triangles and quadrilaterals, interior and exterior angles</p>	End of term assessment
Summer 1	<p>Statistics, Graphs and Charts: Draw and interpret statistical diagrams</p> <p>Straight Line Graphs: Plotting graphs, gradient, equation of graphs</p>	End of unit assessments
Summer 2	<p>Percentages, Decimals and Fractions: Recurring decimals, percentage calculations, increase/decrease by percentage</p> <p>Revision</p>	End of year assessment

End of Year Examination

How will I be assessed at the end of the year?

Students are given one hour of calculator and one hour of non-calculator assessment comprising of all the topics covered in year 8.

These assessments cover the skills that students have learnt, students should apply their knowledge and solve problems in context.

How can I help my child?

Guidance and advice

Students will be given overviews at the beginning of every term outlining the topics which will be covered.

Two pieces of home learning tasks will be set by the teacher. This could be a range of activities from online or worksheets.

- <https://www.mymaths.co.uk/> - school subscription
- <https://www.mathswatch.co.uk/vle/>
- <https://corbettmaths.com/5-a-day>
- <http://studymaths.co.uk>
- <https://www.pearsonactivelearn.com/>