

## Year 9 Maths

What will be studied?			
School Term	Typical curriculum content Higher	Foundation	Assessments
Autumn 1	<p><b>Number Skills:</b>            Estimation, manipulation of decimals            HCF and LCM            Standard form            Surds</p> <p><b>Equations and inequalities:</b>            Solving simultaneous equations            Solving quadratics            Completing the square            Solving inequalities            Solving inequalities</p>	<p><b>Number Skills:</b>            Negative numbers            Rounding            Prime factors            HCF and LCM            Powers</p> <p><b>Algebra:</b>            Like terms            Simplify expressions            Expand brackets            Substitution            Formulae</p>	End of unit assessments
Autumn 2	<p><b>Probability:</b>            Combined events            Mutually exclusive events            Experimental probability            Independent Events            Tree diagrams            Conditional probability            Venn diagrams</p>	<p><b>Probability:</b>            Probability scale            Probability            Sum probability            Venn diagrams            Relative frequency</p>	End of term assessment
Spring 1	<p><b>Angles and Shapes:</b>            Drawing and measuring angles            Properties of triangles and quadrilaterals</p> <p><b>Decimals:</b>            Rounding decimals            Fractions and percentages</p>	<p><b>Graphs, tables and charts:</b>            Two way tables            Bar charts            Stem and leaf            Pie charts</p> <p><b>Angles:</b></p>	End of unit assessment
Spring 2	<p><b>Number skills:</b>            Fractions, decimals and percentages</p>	<p><b>Number skills:</b>            Fractions, decimals and percentages</p>	End of term assessment
Summer 1	<p><b>Multiplicative reasoning:</b>            Metric and imperial units</p>	<p><b>Equations:</b>            Solving linear equations</p>	End of unit assessments

	Best buy problems <b>Perimeter, Area and volume:</b> Area of parallelograms Surface area and volume of 3D shapes	Linear inequalities General sequence	
<b>Summer 2</b>	<b>Sequences and graphs:</b> Term to term rule Coordinates <b>Revision</b>	<b>Averages</b> <b>Perimeter and Area</b>	<b>End of year assessment</b>

### 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://corbettmaths.com/5-a-day>
- <http://studymaths.co.uk>
- <https://www.pearsonactivelearn.com/>
- <https://www.mathswatch.co.uk/vle/>
- <https://www.mathsapp.pixl.org.uk/>