Year 9 Maths

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

		Best buy problems **Perimeter, Area and volume:** Area of parallelograms Surface area and volume of 3D shapes	Linear inequalities General sequence	
Summer 2	**Sequences and graphs:** Term to term rule Coordinates **Revision**	**Averages** **Perimeter and Area**	**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://corbettmaths.com/5-a-day**
- **http://studymaths.co.uk**
- **https://www.mathswatch.co.uk/vle/**
- **https://www.mathsapp.pixl.org.uk/**