Year 7 - Maths

What will be studied?		
Topic(s)		
Autumn 1	**Number skills:** Multiples, factors and primes Square roots and cube roots **Decimals and Measures** Add, subtract, multiply and divide Scaling, area, perimeter, volume, surface area, metric and imperial units	Baseline and data handling assessment.
Autumn 2	**Equations, functions and formulae:** Simplifying algebraic expressions Derive formulae Solving equations **Analysing and displaying data:** Statistical diagrams Correlation	End of term assessment
Spring 1	**Fractions and Percentages** Compare, simplify, add, subtract, multiply, divide Percentage calculations **Probability:** Language, calculating, experiments, outcomes	End of unit assessment
Spring 2	**Ratio and Proportion:** Direct proportion and best buys Inverse proportion Write, simplify, share ratios Proportion with fractions and percentages	End of term assessment
Summer 1	**Lines and Angles:** Measure and draw angles and triangles Angle facts and properties of triangles and quadrilaterals Interior and exterior angles **Sequences and Graphs:** Number and pattern sequences Nth term rule Coordinates, midpoints, plotting graphs	End of unit assessments
Summer 2	**Transformations:** Congruency, enlargement, symmetry, translation, reflection, rotation **Revision**	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 7. 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/**