

Maths Department

Curriculum Overview - Year 7

The Big Picture:

Year 7 will study: Number , Data Handling, Geometry, Algebra, Probability and Ratio and Proportion

<p>Term 1: Pixl Micro-Wave Analysis from SATS Maths results and closing the GAP from KS2 to KS3</p> <p>Skills update</p> <p>Problem solving</p> <p>Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>	<p>Term 2: Place Value and Rounding Adding and subtracting Multiplication Simplifying expressions Indices Expanding and Factorising 1 Angles and Lines Triangles and Quadrilaterals Congruence and Similarity Polygons and Angles</p> <p>Problem solving Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>
<p>Term 3: Sampling Organising Data Representing Data 1 Representing Data 2 Averages and Spread 1 Decimals and Fractions Fractions and Percentages Calculations with fractions Fractions, decimals and percentages Substitution into formulae Using standard formulae</p> <p>Problem solving Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>	<p>Term 4: Equations, Identities and functions Expanding and factorising 2 Measuring lengths and angles Area of 2D shapes Transformations 1 Transformations 2 Probability Experiments Expected outcomes Theoretical probability Mutually exclusive events</p> <p>Problem solving Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>
<p>Term 5: Estimation and Approximation Calculator Methods Measures and Accuracy Solving Linear Equations 1 Solving Linear Equations 2 Quadratic Equations Simultaneous Equations Inequalities</p> <p>Problem solving Green Task: Based on kerboodle end of topic test Assessment Objectives covered – AO1, AO2</p>	<p>Term 6: Circles 1 Circles 2 Constructions Loci Proportion Percentage Change Factors and Multiples Prime Factor decomposition Powers and roots</p> <p>Problem solving Green Task: Based on kerboodle end of year test Assessment Objectives covered – AO1, AO2</p>