

King Edward VI School  
 Maths Key Stage 3 Curriculum Map

**YEAR 7**

Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
<ul style="list-style-type: none"> <li>• Place value (including decimals)</li> <li>• Add and subtract (including decimals)</li> <li>• Estimation</li> <li>• Perimeter</li> <li>• Word problems</li> </ul>	<ul style="list-style-type: none"> <li>• Multiply and divide (including decimals)</li> <li>• Area of rectangle and triangle</li> <li>• Calculating the mean</li> <li>• Factors, HCF, Prime factorisation</li> </ul>	<ul style="list-style-type: none"> <li>• Draw, measure and name acute and obtuse angles</li> <li>• Find unknown angles</li> <li>• Properties of triangles and quadrilaterals</li> <li>• Area of parallelograms</li> </ul>	<ul style="list-style-type: none"> <li>• Equivalent fractions</li> <li>• Compare and order fractions and decimals</li> <li>• Multiples and LCM</li> <li>• Add and subtract fractions</li> <li>• Changing mixed numbers to improper fractions</li> <li>• Add and subtract mixed numbers</li> <li>• Fraction of a quantity</li> </ul>	<ul style="list-style-type: none"> <li>• Order of operations</li> <li>• Substitution</li> <li>• Simplifying algebraic expressions</li> <li>• Solve word problems</li> <li>• Sequences (term-to-term)</li> </ul>	<ul style="list-style-type: none"> <li>• Read and interpret pie charts</li> <li>• Convert between percentages, fractions and decimals</li> <li>• Percentage of a quantity</li> <li>• Find the whole given the part and the percentage</li> </ul>

King Edward VI School  
 Maths Key Stage 3 Curriculum Map

**YEAR 8**

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<ul style="list-style-type: none"> <li>• Primes and Indices</li> <li>• LCM, squares and cubes</li> <li>• Calculate with positive rational and decimal numbers</li> <li>• Rounding, significant figures and estimation</li> <li>• Using a calculator</li> </ul>	<ul style="list-style-type: none"> <li>• Negative numbers and inequality statements</li> <li>• Algebraic manipulation</li> <li>• Linear equations</li> <li>• Linear sequences nth term</li> <li>• Expressions and equations from real world examples</li> </ul>	<ul style="list-style-type: none"> <li>• Draw accurate triangles and quadrilaterals</li> <li>• Find unknown angles</li> <li>• Conversion between units of length and area</li> <li>• Area and perimeter of compound</li> <li>• Area of parallelogram and trapezium</li> <li>• Area and circumference of circles</li> </ul>	<ul style="list-style-type: none"> <li>• Convert between percentages, fractions and decimals</li> <li>• Percentage increase and decrease</li> <li>• Ratio and proportion</li> <li>• Speed, distance and time</li> </ul>	<ul style="list-style-type: none"> <li>• Conversion between units of volume</li> <li>• Visualise and identify 3D shapes and their nets</li> <li>• Surface area of 3D shapes</li> <li>• Volume of cuboid, cylinder, prism and composite solids</li> </ul>	<ul style="list-style-type: none"> <li>• Collect and organise data</li> <li>• Interpret and compare statistical representations</li> <li>• Mean, median, mode and range</li> </ul>

King Edward VI School  
 Maths Key Stage 3 Curriculum Map

**YEAR 9**

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<ul style="list-style-type: none"> <li>• Calculations, checking and rounding</li> <li>• Indices, roots, reciprocals and hierarchy of operations</li> <li>• Factors, multiples and primes</li> <li>• Standard form and surds</li> </ul>	<ul style="list-style-type: none"> <li>• Algebra: the basics</li> <li>• Setting up, rearranging and solving equations</li> <li>• Sequences</li> </ul>	<ul style="list-style-type: none"> <li>• Averages and range</li> <li>• Representing and interpreting data</li> <li>• Scatter graphs</li> <li>• Fractions</li> </ul>	<ul style="list-style-type: none"> <li>• Percentages</li> <li>• Ratio and proportion</li> <li>• Polygons, angles and parallel lines</li> <li>• Pythagoras' Theorem and trigonometry</li> </ul>	<ul style="list-style-type: none"> <li>• Graphs: the basics and real-life graphs</li> <li>• Linear graphs and coordinate geometry</li> <li>• Quadratic, cubic and other graphs</li> <li>• Perimeter, area and circles</li> </ul>	<ul style="list-style-type: none"> <li>• 3D forms and volume, cylinders, cones and spheres</li> <li>• Accuracy and bounds</li> <li>• Transformations</li> <li>• Constructions, loci and bearings</li> </ul>