

Maths—Year 8



	Units	Assessment
	In Key Stage 3, students study one unit each half term. Units are taught within a context related to everyday life	These take place towards the end of each half term. Marks are recorded on Go4Schools
Autumn	<p>Maths in History (Number)</p> <p>Students calculate with negative numbers, work with index notation and standard form.</p>	<p>Maths in History</p> <p>Classroom based assessment (1 hour)</p>
	<p>Maths in Science (Algebra)</p> <p>Students explore sequences and determine both term to term and position to term rules. They solve equations, develop skills of algebraic manipulation and use specific formulae.</p>	<p>Maths in Science</p> <p>Formal Assessment on exam halls (1 hour)</p>
Spring	<p>Maths in Sport (Data Handling)</p> <p>Students carry out short statistical enquiry following the data cycle: planning, collecting data, representing and interpreting. They compare different methods of representing data and use average and range to make comparisons.</p>	<p>Maths in Sport</p> <p>Classroom based assessment (1 hour)</p>
	<p>Maths in Cooking (Proportional Reasoning)</p> <p>Students use proportional reasoning to solve problems. They apply concepts of ratio in various contexts.</p>	<p>Maths in Cooking</p> <p>Formal Assessment in exam halls (1 hour)</p>
Summer	<p>Maths in Packaging (Geometry and Measure)</p> <p>Students explore 3-D shapes, visualising and constructing 2-D representations. They investigate geometric properties of polygons and calculate volumes and surface areas.</p>	<p>Maths in Packaging</p> <p>Classroom based assessment (1 hour)</p>
	<p>Maths in Travel (Real Life Graphs)</p> <p>Students use graphs for practical purposes such as recording conversions and representing distance and time for a journey on a travel graph. They present their findings to an audience.</p>	<p>End of Year Examination</p> <p>Formal Assessment in exam halls (1 hour)</p>