



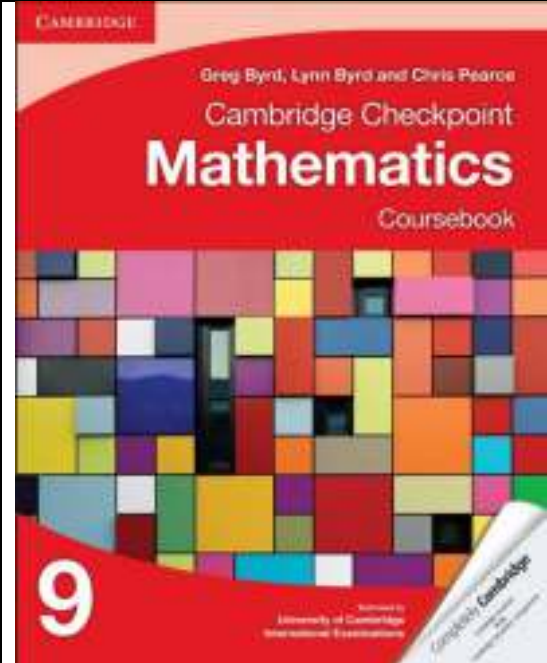
Term 1	Term 2	Term 3	Working towards
<p>We will be following the Cambridge Checkpoint curriculum.</p> <p>Within these units we will learn:</p> <p>Integers, powers and roots. Directed numbers Square roots and cube roots Indices Working with indices</p> <p>Place value, ordering and rounding. Multiplying and dividing decimals mentally Multiplying and dividing by powers of 10 Rounding Order of operations</p> <p>Fractions. Writing a fraction in its simplest form Adding and subtracting fractions Multiplying and dividing fractions Finding fractions of a quantity</p> <p>Percentages. Using mental methods Comparing different quantities Percentage changes Practical examples</p> <p>Students will complete activities such as: Worksheets related to the topic and structured by levels of understanding Problem solving activities to deepen into</p>	<p>Within these units we will learn:</p> <p>Ratio and proportion. Comparing and using ratios Solving problems</p> <p>Sequences and functions. Generating sequences Finding the nth term Finding the inverse of a function</p> <p>Length, mass, capacity and time. Solving problems involving measurements Solving problems involving average speed Using compound measures</p> <p>GEOMETRY</p> <p>Shapes. Regular and irregular polygons Solving angle problems Isometric drawings Plans and elevations Symmetry in three-dimensional shapes</p> <p>Area, perimeter and volume. Converting units of area and volume Solving circle problems Calculating with prisms and cylinders</p> <p>Students will complete activities such as: Worksheets related to the topic and structured by levels of understanding</p>	<p>Within these units we will learn:</p> <p>Tessellations, transformations and loci. Tessellating shapes Solving transformation problems Transforming shapes Enlarging shapes Drawing a locus</p> <p>Constructions. Drawing regular polygons Drawing a perpendicular and angle bisector Constructing triangles Inscribing shapes in circles</p> <p>Pythagoras' theorem. Pythagoras' theorem Calculating the long side of a right-angled triangle Calculating the short side of a right-angled triangle</p> <p>Trigonometry. Unitary circle Sine, cosine and tangent Known angles: 0, 30, 45, 60 and 90 degrees Calculating a side in a right-angled triangle</p> <p>Students will complete activities such as: Worksheets related to the topic and structured by levels of understanding Problem solving activities to deepen into their mathematical vocabulary as well as the application of Maths to different kinds of problems. At least one activity, text or problem related to real world skills.</p>	<p>Full practice for Cambridge Checkpoint assessments and looking towards the beginning of the iGCSE course in Grade 9.</p> <p>Introduction of Mathematical language and meaning of symbols.</p>



Grade 8 Mathematics – We will be learning...

<p>their mathematical vocabulary as well as the application of Maths to different kinds of problems. At least one activity, text or problem related to real world skills.</p> <p>Teachers will use tasks to assess core module learning objectives and monitor progress. At the end of the unit students will complete an “Exit Point”, it means, a short assessment to help teachers evaluate student’s progress throughout the unit.</p>	<p>Problem solving activities to deepen into their mathematical vocabulary as well as the application of Maths to different kinds of problems. At least one activity, text or problem related to real world skills.</p> <p>Teachers will use tasks to assess core module learning objectives and monitor progress. At the end of the unit students will complete an “Exit Point”, it means, a short assessment to help teachers evaluate student’s progress throughout the unit.</p>	<p>Teachers will use tasks to assess core module learning objectives and monitor progress. At the end of the unit students will complete an “Exit Point”, it means, a short assessment to help teachers evaluate student’s progress throughout the unit.</p>	
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Books you may find useful:

	<p>Cambridge Checkpoint Mathematics Coursebook 8</p> <ul style="list-style-type: none"> • ISBN-10: 1107668018 • ISBN-13: 978-1107668010
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