



Grade 7 Mathematics – We will be learning...

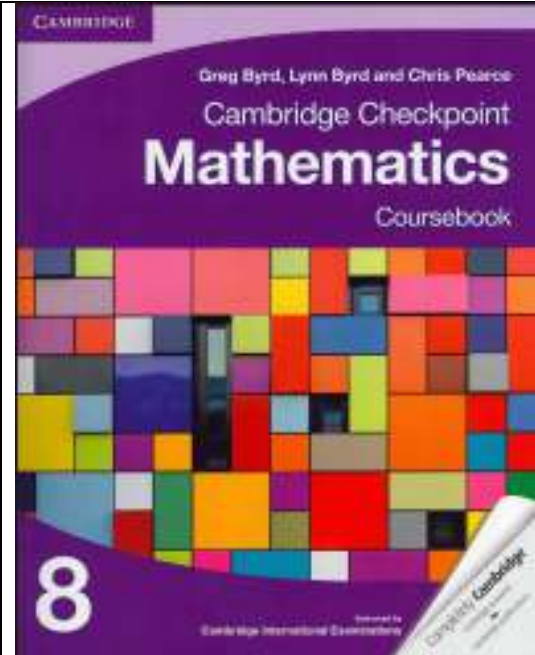
Term 1	Term 2	Term 3	Working towards
<p>We will be following the Cambridge Checkpoint curriculum.</p> <p>Within these units we will learn: Integers, powers and roots. Using negative numbers. Arithmetic with integers Multiples, factors and rules of divisibility Prime numbers Square and Cube numbers Roots</p> <p>Place value, ordering and rounding. Multiplying and dividing by 0.1 and 0.01 Ordering decimals Rounding Adding and subtracting decimals Multiplying decimals Dividing decimals Multiplying and dividing by decimals Estimating and approximating</p> <p>Fractions. Equivalent fractions, decimals and percentages Converting fractions to decimals Ordering fractions Improper fractions and mixed numbers Adding and subtracting fractions Multiplying and dividing fractions Multiplying and dividing an integer by a fraction Finding fractions of a quantity</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>Percentages. Calculating percentages Percentage increases and decreases Finding percentages Using percentages</p> <p>Ratio and Proportion. Simplifying ratios Sharing in a ratio Using direct proportion Solving problems</p> <p>Length, mass and capacity. Choosing suitable units Kilometres and miles</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>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>Within these units we will learn:</p> <p>Sequences, expressions and formulae. Generating sequences Finding rules for sequences Using the nth term rule Using functions and mappings Constructing linear expressions Deriving and using formulae</p> <p>GEOMETRY Angles. Parallel lines Explaining angle properties Solving angle problems</p> <p>Shapes and geometric reasoning. Recognising congruent shapes Identifying symmetry of 2D shapes Classifying quadrilaterals Drawing nets of solids Making scale drawings</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>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</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>



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Books you may find useful:

	<p>Cambridge Checkpoint Mathematics Coursebook 8</p> <ul style="list-style-type: none">• ISBN-10: 9781107697874• ISBN-13: 978-1107697874
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