

Maths Curriculum Map – Alternative curriculum – Entry Level Qualification

	Term 1a	Term 1b	Term 2a	Term 2b	Term 3a	Term 3b
A/C	<p>Topic Title: Component 1: properties of number. Component 2: the four operations</p>	<p>Topic Title: Component 3: ratio Component 4: money</p>	<p>Topic Title: Component 5: the calendar and time. Component 6: measures</p>	<p>Topic Title: Component 7: geometry Component 8: statistics</p>	<p>Topic Title: Preparing for Foundation GCSE</p>	<p>Topic Title: Preparing for Foundation GCSE</p>
	<p>Big questions: Component 1 - How can I read and write numbers up to 1,000? - How can I order and compare numbers up to 1,000? - How can I recognise place value in three-digit numbers? - How can I round numbers less than 1,000 to the nearest 10? - How can I round numbers less than 1,000 to the nearest 100? - How can I find 10 or 100 more or less than a given number? - How can I recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100? Component 2 - How can I add and subtract using three-digit numbers? - How can I multiply a two-digit whole number by a single digit whole number?</p>	<p>Big questions: Component 3 - How can I identify or show unit fractions up to one tenth of a quantity up to 100? - How can I work out unit fractions to one tenth of a number up to 100? - How can I identify or show any number of thirds, quarters, fifths or tenths of a quantity? - How can I work out any number of thirds, quarters, fifths or tenths of an amount? - How can I recognise and identify equivalent fractions? - How can I add and subtract fractions with the same denominator within one whole? - How can I work out amounts 5, 8 or 10 times the size of a given amount?</p>	<p>Big questions: Component 5 - How can I solve problems involving time? - How can I know that there are 365 days in a year, 366 days in a leap year, 12 months in a year and 52 full weeks in a year? How can I use a calendar and write the date correctly (day/month/year)? - How can I tell and write the time from an analogue clock, including using Roman numerals from I to XII? - How can I understand and use the 12-hour and 24-hour clock systems and convert from one system to the other? - How can I convert between hours, minutes and seconds? - How can I add up to three lengths of time given in minutes and hours? Component 6 - How can I add lengths, capacities and weights and</p>	<p>Big questions: Component 7 - How can I recognise and name prisms, cylinders and cones? - How can I draw lines of symmetry on shapes or pictures? - How can I recognise and draw nets of cubes and cuboids? - How can I identify whether an angle is less or more than a right angle? - How can I identify horizontal, vertical and parallel lines? - How can I denote the position of a point on a grid by its coordinates or identify a point or item given its coordinates? - How can I use North (N), East (E), South (S) and West (W) to give directions or position from a map?</p>	<p>Big questions: - How can I apply my knowledge of place value to use prime, square and cube numbers? - How can I apply my knowledge to solve questions involving: +, −, × and ÷? - How can I apply my knowledge of ratio and fractions to a range of questions? - How can I calculate the mean, median, mode and range? New Concepts - How can I solve algebraic equations using substitution? - How can I factorise or expand an algebraic expression?</p>	<p>Big questions: <i>Consolidating Term 3a content.</i></p>

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	<ul style="list-style-type: none"> - How can I divide a two-digit whole number by a single digit whole number? - How can I use and interpret +, −, ×, ÷ and = in real-life situations to solve problems? - How can I use inverse operations to find missing numbers? - How can I estimate the answer to a calculation? - How can I recall and use multiplication facts for the 3, 4 and 8 multiplication tables? 	<p><u>Component 4</u></p> <ul style="list-style-type: none"> - How can I appreciate the purchasing power of amounts of money (notes)? - How can I exchange notes for an equivalent value in coins? - How can I use decimal notation for money? - How can I interpret a calculator display? - How can I solve real life problems involving what to buy and how to pay? - How can I add amounts of money and give change? - How can I carry out investigations involving money? 	<ul style="list-style-type: none"> compare the total to another total or a requirement - How can I convert standard units of length, capacity and weight? - How can I compare and order lengths, capacities and weights in different standard units? - How can I measure the perimeter of a simple shape? - How can I choose an appropriate measuring instrument? - How can I read values from an appropriate scale? - How can I read and compare temperatures including temperatures with negative values? 	<p><u>Component 8</u></p> <ul style="list-style-type: none"> - How can I construct and interpret bar charts with the vertical axis scaled in ones or twos? - How can I construct and interpret pictograms where one picture represents more than one item? - How can I extract numerical information from lists, tables, diagrams and charts? - How can I complete a frequency table given the original list of results? - How can I complete a tally chart and the resulting frequency table? - How can I compare two or more diagrams? - How can I solve one-step and twostep problems based on statistical information? 		
	<p>Assessment: Each objective to be assessed and compiled to form part of a portfolio for each student.</p> <p>End of Component Assessment (2 per half term. 8 in total.)</p>				<p>Assessment: CFU/diagnostic assessments based upon properties of number, four operations and ratio.</p>	<p>Assessment: Year 10 = GCSE Mock Paper Year 11 = GCSE Paper</p>