

**Mathematics Curriculum map – Year 10 Support**

<b>Term</b>	<b>Topic</b>	<b>Skills addressed</b>	<b>Literacy skills addressed</b>	<b>Key assessment tasks</b>
<b>Term 1</b>	<b>Numbers and the number system Calculating Division</b>	<ul style="list-style-type: none"> <li>Understand and use decimals with up to three decimal places. Work with numbers up to ten million. Explore the use of negative numbers. Develop understanding of factors and multiples. Investigate prime numbers.</li> <li>Develop mental calculation skills. Extend written methods of multiplication. Know and use the order of operations. Solve problems involving addition, subtraction and multiplication.</li> </ul>	Speaking and listening LK2, SK4 Reading – RK1 Writing – WK2	<b>Progress test 1</b>
<b>Term 2</b>	<b>Division Visualising and constructing Investigating properties of shapes</b>	<ul style="list-style-type: none"> <li>Develop written methods of division. Deal with remainders when carrying out division. Solve problems involving the four operations.</li> <li>Construct 2D shapes. Investigate 3D shapes. Explore nets of 3D shapes.</li> <li>Investigate properties of 2D shapes. Investigate angles in polygons. Understand and use the vocabulary of circles.</li> </ul>	Speaking and listening LK2, SK4 Reading – RK1 Writing – WK2	<b>Progress test 2</b>
<b>Term 3</b>	<b>Algebraic proficiency: using formulae Exploring fractions, decimals and percentages Proportional reasoning Pattern sniffing</b>	<ul style="list-style-type: none"> <li>Use simple formulae written in words. Create simple formulae written in words. Work with formulae written algebraically.</li> <li>Explore the equivalence between fractions. Use the equivalence between fractions. Explore the equivalence between fractions, decimals and percentages.</li> <li>Solve problems involving scaling. Explore enlargement. Solve problems involving sharing and grouping</li> <li>Explore number sequences.</li> </ul>	Speaking and listening LK2, SK4 Reading – RK1 Writing – WK2	<b>Progress test 3</b>
<b>Term 4</b>	<b>Pattern sniffing Measuring space Investigating angles Calculating fractions, decimals and percentages</b>	<ul style="list-style-type: none"> <li>Solve problems involving measurement</li> <li>Develop knowledge of angles. Apply angle facts to deduce unknown angles.</li> <li>Calculate with fractions. Calculate with decimals. Calculate with percentages.</li> </ul>	Speaking and listening LK2, SK4 Reading – RK1 Writing – WK2	
<b>Term 5</b>	<b>Calculating fractions, decimals and percentages Solving equations and inequalities Calculating space</b>	<ul style="list-style-type: none"> <li>Solve missing number problems. Understand and use algebra.</li> <li>Explore area. Investigate volume. Solve problems involving area and volume.</li> </ul>	Speaking and listening LK2, SK4 Reading – RK1 Writing – WK2	<b>Progress test 4</b>
<b>Term 6</b>	<b>Checking , approximating and estimating Mathematical movement Presentation of data Measuring data</b>	<ul style="list-style-type: none"> <li>Explore ways of approximating numbers. Explore ways of checking answers.</li> <li>Understand and use Cartesian coordinates . Use transformations to move shapes.</li> <li>Construct and interpret pie charts. Solve problems involving graphs and charts.</li> <li>Understand and use the mean.</li> </ul>	Speaking and listening LK2, SK4 Reading – RK1 Writing – WK2, WK4 comparing data sets.	<b>Yr 10 examination</b>

