

## Key Stage 3 Curriculum Map 2020-21

### Term 1

Subject: Mathematics		Year: 8	
Focus/Topic	Objectives	Key Skills	Home Learning / Reading
<ul style="list-style-type: none"> <li>Highest Common Factor and Lowest Common Multiple</li> </ul>	To be able to find the HCF of up to 3 numbers. To be able to find the LCM of up to 3 numbers.	To apply knowledge of HCF and LCM to real life problems.	<ul style="list-style-type: none"> <li>Dr Frost Maths</li> <li>Corbett Maths</li> <li>CGP Workbooks</li> <li>Problem Solving activities</li> </ul>
<ul style="list-style-type: none"> <li>Multiplying and dividing by powers of 10</li> </ul>	To be able to manipulate the powers of 10 by multiplying and dividing.	To know the laws of indices.	
<ul style="list-style-type: none"> <li>Estimation and rounding</li> </ul>	To be able to estimate calculations effectively. To be able to round to 4 decimal places.	To be able to use a consistent and effective method.	
<ul style="list-style-type: none"> <li>Fractions (all operations)</li> </ul>	To be able to use all four operations with fractions.	To be able to apply knowledge to area and perimeter questions.	
<ul style="list-style-type: none"> <li>Similarity</li> </ul>	To be able to prove whether two shapes are similar.	To be able to use SSS, SAS, AAS effectively.	
<ul style="list-style-type: none"> <li>Pie Charts</li> </ul>	To be able to construct and interpret pie charts.	To be able to compare pie charts.	
<b>Half Term</b>			
<ul style="list-style-type: none"> <li>Pie Charts</li> </ul>	To continue.		<ul style="list-style-type: none"> <li>Dr Frost Maths</li> <li>Corbett Maths</li> <li>CGP Workbooks</li> <li>Problem Solving activities</li> </ul>
<ul style="list-style-type: none"> <li>Pythagoras' Theorem</li> </ul>	To be able to use and apply Pythagoras' Theorem.	To be able to use Pythagoras in real life context.	
<ul style="list-style-type: none"> <li>Area &amp; Circumference of a Circle</li> </ul>	To be able to find the area of a circle To be able to find the circumference of a circle.	To be able to use area and circumference in real life problems.	

• Plans & Elevations	To be able to sketch the correct plan of an object.	To be able to find volume and surface area from plans of an object.	
Winter Break			