



Subject	Year	Term						
<b>Mathematics (Higher)</b>	<b>9</b>	<b>1</b>						
Topic								
<b>Probability, Number &amp; Shape</b>								
Content (Intent)								
<b>Prior Learning (Topic):</b> Ratio and proportion; 3D shapes; Probability; Construction								
<ul style="list-style-type: none"> <li>• Probability</li> <li>• Standard Form and HCF/LCM</li> <li>• Fractions, Decimals &amp; Percentages</li> <li>•</li> </ul>								
<b>Future Learning (Topic)</b> Probability, Ratio, Proportion & Algebra								
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)							
<ul style="list-style-type: none"> <li>• Calculating theoretical and experimental probability</li> <li>• Calculating relative frequency</li> <li>• Using tree diagrams to calculate probability</li> <li>• Use of set theory and Venn Diagrams</li> <li>• Use the probability 'AND' and 'OR' rules</li> <li>•</li> </ul>	<u>Ongoing Assessment</u> <ul style="list-style-type: none"> <li>• Q&amp;A in plenary</li> <li>• Mini-whiteboards</li> <li>• Self and Peer assessment</li> <li>• 1 written homework per fortnight</li> <li>• 1 online homework per fortnight</li> <li>• Feedback and Challenge Time (FACT)</li> </ul>							
<ul style="list-style-type: none"> <li>• Using products of prime factors to find lowest common multiple and highest common factor</li> <li>• Writing and calculating in standard form including using a calculator</li> <li>• Rounding decimals leading to error intervals</li> <li>•</li> </ul>								
How can parents help at home?								
<b>Reading</b> Help to learn 'need-to-know' formulas – in back of orange books Practise times tables on a regular basis – Pixl times table App								
Helpful further reading/discussion (including Reading and Vocabulary Lists)								
Direct to the following websites (logon ids will be in the front of the orange maths book); <a href="http://www.mymaths.co.uk">www.mymaths.co.uk</a> <a href="http://vle.mathswatch.co.uk">vle.mathswatch.co.uk</a> <a href="http://www.mathsgenie.co.uk">www.mathsgenie.co.uk</a>	<b>Vocabulary</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Significant Figures</td> <td style="width: 50%;">Subtend</td> </tr> <tr> <td>Truncation</td> <td>Chord</td> </tr> <tr> <td>Interval</td> <td>Similar</td> </tr> </table>		Significant Figures	Subtend	Truncation	Chord	Interval	Similar
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