



+Subject	Year	Term
Maths	7	1
Topics		
Number; Measures; Fractions; Algebra; Decimals & Percentages; Ratio & Proportion; Angles & 2D Shapes		
Content (Intent)		
<b>Prior Learning (Topic)</b> KS2 (Primary National Curriculum)		
<ul style="list-style-type: none"> <li>• Whole Numbers and Decimals</li> <li>• Measures, Perimeter &amp; Area</li> <li>• Algebra (Expressions and Formulae)</li> <li>• Mental calculations</li> <li>• <i>Fractions, Decimals &amp; Percentages</i></li> <li>• <i>Ratio and Proportion</i></li> <li>• <i>Angles and 2D Shapes</i></li> </ul>		
<b>Future Learning (Topic)</b> Equations, Data, Probability, Transformations, Graphs & Sequences		
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<ul style="list-style-type: none"> <li>• Calculate with positive &amp; negative numbers</li> <li>• Recognise &amp; find multiples &amp; factors (inc. HCF &amp; LCM)</li> <li>• Recognise prime numbers, squares &amp; square roots</li> <li>• Round numbers</li> <li>• Apply correct order of operations (BODMAS/BIDMAS)</li> <li>• Convert between metric units</li> <li>• Read &amp; interpret scales</li> <li>• Find perimeter &amp; area</li> <li>• Simplify basic algebraic expressions</li> <li>• Substitute into expressions &amp; formulae</li> <li>• Developing written arithmetic skills for integers and decimals</li> <li>• Effective use of a calculator</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>• <i>Equivalent fractions, decimals &amp; percentages</i></li> <li>• <i>Apply mathematical operations to fractions</i></li> <li>• <i>Find fractions &amp; percentages of amounts</i></li> <li>• <i>Write &amp; simplify ratios. Divide a quantity in a given ratio. Solve proportion problems by scaling and the unitary method.</i></li> <li>• <i>Calculate &amp; compare proportions as fractions and percentages</i></li> <li>• <i>Use angle rules</i></li> </ul>	<u>Formal Assessment</u> <ul style="list-style-type: none"> <li>• October resetting test</li> <li>• December class test</li> </ul>	
How can parents help at home?		
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)		
<b>Reading</b> Direct to the following websites (logon id's 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 Lists</b> Integers Multiply Divide Prime Factor Decomposition Interpret	Calculate Numerator Denominator Properties Parallel Intersect Polygon Proportion
		Ratio Remainder Sum Percentage Negative Square root