



+Subject	Year	Term																																
Maths	7	1																																
Topics																																		
Number; Measures; Fractions; Algebra; Decimals & Percentages; Ratio & Proportion; Angles & 2D Shapes																																		
Content (Intent)																																		
Prior Learning (Topic) KS2 (Primary National Curriculum)																																		
• Whole Numbers and Decimals • Measures, Perimeter & Area • Algebra (Expressions and Formulae) • Mental calculations • <i>Fractions, Decimals & Percentages</i> • <i>Ratio and Proportion</i> • <i>Angles and 2D Shapes</i>																																		
Future Learning (Topic) Equations, Data, Probability, Transformations, Graphs & Sequences																																		
What Knowledge and Skills will be taught (Implementation)		How will your understanding be assessed & recorded (Impact)																																
• Calculate with positive & negative numbers • Recognise & find multiples & factors (inc. HCF & LCM) • Recognise prime numbers, squares & square roots • Round numbers • Apply correct order of operations (BODMAS/BIDMAS) • Convert between metric units • Read & interpret scales • Find perimeter & area • Simplify basic algebraic expressions • Substitute into expressions & formulae • Developing written arithmetic skills for integers and decimals • Effective use of a calculator		<u>Ongoing Assessment</u> • Q&A in plenary • Mini-whiteboards • Self and Peer assessment • 1 written homework per fortnight • 1 online homework per fortnight • Feedback and Challenge Time (FACT)																																
• <i>Equivalent fractions, decimals & percentages</i> • <i>Apply mathematical operations to fractions</i> • <i>Find fractions & percentages of amounts</i> • <i>Write & simplify ratios. Divide a quantity in a given ratio. Solve proportion problems by scaling and the unitary method.</i> • <i>Calculate & compare proportions as fractions and percentages</i> • <i>Use angle rules</i>		<u>Formal Assessment</u> • October resetting test • December class test																																
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)																																		
Reading Direct to the following websites (logon id’s will be in the front of the orange maths book); www.mymaths.co.uk vle.mathswatch.co.uk www.mathsgenie.co.uk	Vocabulary Lists <table><tr><td>Integers</td><td>Calculate</td><td>Proportion</td><td>Interpret</td></tr><tr><td>Multiply</td><td>Numerator</td><td>Ratio</td><td>Simplify</td></tr><tr><td>Multiple</td><td>Denominator</td><td>Product</td><td>Substitute</td></tr><tr><td>Divide</td><td>Properties</td><td>Sum</td><td>Expression</td></tr><tr><td>Divisibility</td><td>Parallel</td><td>Percentage</td><td>Formula</td></tr><tr><td>Prime</td><td>Intersect</td><td>Negative</td><td>Angle</td></tr><tr><td></td><td></td><td>Perpendicular</td><td>Congruent</td></tr><tr><td></td><td></td><td>Decomposition</td><td></td></tr></table>	Integers	Calculate	Proportion	Interpret	Multiply	Numerator	Ratio	Simplify	Multiple	Denominator	Product	Substitute	Divide	Properties	Sum	Expression	Divisibility	Parallel	Percentage	Formula	Prime	Intersect	Negative	Angle			Perpendicular	Congruent			Decomposition		
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