



Subject	Year	Term										
Mathematics (Higher)	9	1										
Topic												
Probability, Number												
Content (Intent)												
Prior Learning (Topic): Ratio and proportion; 3D shapes; Probability; Construction												
• Probability • Standard Form and HCF/LCM • Fractions, Decimals & Percentages •												
Future Learning (Topic) Probability, Ratio, Proportion & Algebra												
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)											
• Calculating theoretical and experimental probability • Calculating relative frequency • Using tree diagrams to calculate probability • Use of set theory and Venn Diagrams • Use the probability 'AND' and 'OR' rules •	<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)											
• Using products of prime factors to find lowest common multiple and highest common factor • Writing and calculating in standard form including using a calculator • Rounding decimals leading to error intervals • Calculations with fractions • Calculating % increase and decrease using multipliers including compound interest • Percentage change												
How can parents help at home?												
Reading 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); www.mymaths.co.uk vle.mathswatch.co.uk www.mathsgenie.co.uk	Vocabulary <table><tr><td>Significant Figures</td><td>Index</td></tr><tr><td>Truncation</td><td>Bounds</td></tr><tr><td>Interval</td><td>Error Interval</td></tr><tr><td>Prime</td><td>Multiplier</td></tr><tr><td>Factor</td><td>Compound</td></tr></table>		Significant Figures	Index	Truncation	Bounds	Interval	Error Interval	Prime	Multiplier	Factor	Compound
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