



Subject	Year	Term																		
Mathematics (Foundation)	11	2																		
Topic																				
Multiplicative, Geometric and Algebraic reasoning, Transformations and Constructions																				
Content (Intent)																				
Prior Learning (Topic): Ratio and Proportion, Angle rules, Trigonometry and Sequences																				
- Multiplicative reasoning - Geometric reasoning - Algebraic reasoning - Transformations and constructions																				
Future Learning (Topic) Problem solving																				
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)																			
- Understand direct and inverse proportion - Calculate with pressure and density - Ratio problems	<u>Ongoing Assessment</u> - Q&A in plenary - Mini-whiteboards - Self and Peer assessment - One online homework per week - End of unit tests																			
- Angle rules in parallel lines and polygons - Proving geometric facts																				
- Simplify expressions - Finding and using nth term of sequences	<u>Formal Assessment</u> Formative assessment in January																			
- Perform and describe reflections, rotations and translations - Line and rotational symmetry - Constructions with a ruler and compass - Constructions with a ruler and protractor - Loci																				
How can parents help at home?																				
Help to learn 'need-to-know' formulas Encourage use of SparxMaths [or MathsGenie] Review previously taught topics regularly																				
Helpful further reading/discussion (including Reading and Vocabulary Lists)																				
Reading Direct to the following websites; Sparkmaths.com www.mathsgenie.co.uk	Vocabulary Lists <table><tr><td>Proportion</td><td>Interior</td></tr><tr><td>Ratio</td><td>Exterior</td></tr><tr><td>Pressure</td><td>Simplify</td></tr><tr><td>Density</td><td>Nth term</td></tr><tr><td>Parallel</td><td>Reflection</td></tr><tr><td>Co-interior</td><td>Rotation</td></tr><tr><td>Corresponding</td><td>Translation</td></tr><tr><td>Alternate</td><td>Enlargement</td></tr><tr><td></td><td>Construct</td></tr></table>		Proportion	Interior	Ratio	Exterior	Pressure	Simplify	Density	Nth term	Parallel	Reflection	Co-interior	Rotation	Corresponding	Translation	Alternate	Enlargement		Construct
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