



Subject	Year	Term
Mathematics (Higher)	9	2
Topic		
Probability, Ratio, Proportion & Algebra		
Content (Intent)		
Prior Learning (Topic):	Number & Shape	
<ul style="list-style-type: none"> • Area & Volume • Angles & Circle Theorems • Transformations Ratio • Proportion • Expressions & Quadratic Equations 		
Future Learning (Topic)	Algebra	
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
<ul style="list-style-type: none"> • Calculations involving proportions Calculating area and volumes of a variety of shapes • Solve problems with angles and circle theorems • Describe and transform 2D shapes and understand similarity 	<u>Ongoing Assessment</u> <ul style="list-style-type: none"> • 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) 	
<ul style="list-style-type: none"> • Understanding ratio and proportion leading to direct and inverse proportion equations • Expanding and factorising quadratics • Solving quadratics • Forming and solving equations 	<u>Formal Assessment</u> <ul style="list-style-type: none"> • End of January – 45 min exam 	
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 Mutually Exclusive Inverse Independent	