


**Year 9 – Lesson by lesson – Autumn – Higher** Week A – 3 hours. Week B – 4 hours

PKC means “Prior Knowledge Check” at the start of each chapter.

<b><u>Key Words</u></b>
Unit 1 –
Unit 2 -

<b><u>Low Stakes Test</u></b>
Autumn 1 –

<b><u>Final Ten</u></b>
Autumn 1 – Higher - <a href="#">Click me</a>

Week number	Date (wb)	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Unit	Possible HM HWK	
1 (A)	6 <sup>th</sup> Sept	PKC Unit and HM Standards						
2 (B)	13 <sup>th</sup> Sept	Number problem and reasoning		Place value and estimating				
		Combinations		Estimation (including roots and powers)	Checking calculations			
3 (A)	20 <sup>th</sup> Sept	HCF and LCM						
		HCF and LCM via prime factor form	HCF and LCM using Venn Diagrams	Real life and problem solving				
4 (B)	27 <sup>th</sup> Sept	Calculating with powers						
		Use index laws of multiplying, dividing	Negative, zero and fractional powers.	Fractional powers				

5 (A)	4 <sup>th</sup> Oct	<b>Standard form</b>		<b>Expand and factorise</b>			
		Conversions between SF and ordinary numbers	Calculations (calculator and non calc)	Collect like terms.			
6 (B)	11 <sup>th</sup> Oct	<b>Expand</b>		<b>Factorise</b>			
		Expand multiple single brackets.	Expand single brackets containing a surd.	Factorise into a single bracket.	Factorise a recurring bracket.		
7 (A)	4 <sup>th</sup> Oct	<b>Solving equations.</b>					
		Unknown on both sides (integer answers)	Unknown on both sides (negative / fractional answers)	Unknown on both sides with brackets			
8 (B)	11 <sup>th</sup> Oct	<b>Solving equations</b>					
		Fractions on one side	Fractions on both sides.	Wordy problems (angles in triangles etc)			
9 (A)	18 <sup>th</sup> Oct	<b>Solving equations</b>	<b>Surds</b>				
		Wordy problems	Simplifying surds	Solving equations with surds			
	25 <sup>th</sup> Oct	<b>HALF TERM</b>					
10 (B)	1 <sup>st</sup> Nov	<b>Surds</b>			<b>PKC Unit 2 (inc. expression, identity, equation, formula)</b>		
		Solving equations with surds	Rationalising and problem solving				
11 (A)	8 <sup>th</sup> Nov	<b>Algebraic indices</b>					
		Roots / fractions		Multiply and divide			
12 (B)	15 <sup>th</sup> Nov	<b>Formula</b>					
		Using formulae		Change subject of			

13 (A)	22 <sup>nd</sup> Nov	Linear sequences Linear Sequences		Non linear sequences		2	
		Using nth term and modelling		Geometric			
15 (B)	29 <sup>th</sup> Nov	Non Linear sequences					
		Quadratic		Quadratic		Quadratic	
16 (A)	6 <sup>th</sup> Dec	Non linear sequences	Assessment on Chapters 1 and 2				
		Quadratic					