COURSE **THREE : S5-6 1 YEAR NATIONAL 5**

BLOCK **ONE : 5.5 WEEKS**		
Number	**Algebra**	**Geometry 1**
• Significant figures • Scientific Notation • Add/Subtract/Multiply/Divide Fractions	• *Expanding a single bracket* • Solving Equations/Inequalities • Functions and Formulae	• Gradient of a straight line • Equation of a Straight Line • Simultaneous Equations
• 2 Weeks	• 1.5 Weeks	• 2 weeks
FORMAL EXERCISE 1	FORMAL EXERCISE 2	FORMAL EXERCISE 3
ASSESS EACH STRAND WITH QUIZ BEFORE BLOCK ASSESSMENT		
SUMMATIVE ASSESSMENT 1 : W/B 28TH OF SEPTEMBER		

BLOCK **TWO : 6 WEEKS**		
Number	**Algebra**	**Statistics 1**
• Appreciation/Depreciation • Compound Interest • Percentage Profit/Loss • Reversing the Change	• Double Brackets (including 3 terms) • Changing the subject • Surds	• Scatter Graphs • Line of Best Fit
• 1.5 Weeks	• 2.5 Weeks	• 1 Week
FORMAL EXERCISE 4	FORMAL EXERCISE 5	FORMAL EXERCISE 6
ASSESS EACH STRAND WITH QUIZ BEFORE BLOCK ASSESSMENT		
SUMMATIVE ASSESSMENT 2: W/B 16TH OF NOVEMBER		

COURSE **THREE : S5-6 1 YEAR NATIONAL 5**

BLOCK **THREE : 7 WEEKS**		
Algebra	**Trigonometry & Pythagoras**	**Geometry 2**

• Indices
• Factorising Methods
    ◦ Common Factor
    ◦ Difference of two squares
    ◦ Trinomials
• Algebraic Fractions
	• Right- angled Trigonometry
	• Pythagoras Theorem
	• Converse of Pythagoras
	• Pythagoras in the Circle
		• Scale Factor
		• Similar Shapes
		• Angles in a triangle/Semi Circle
		• Angles in a Circle; including Tangents & Trigonometry.
		• Vectors

• 2.5 Weeks	• 2 Weeks	• 2.5 Weeks
FORMAL EXERCISE 7	FORMAL EXERCISE 8	FORMAL EXERCISE 9
*ASSESS EACH STRAND **WITH QUIZ BEFORE BLOCK ASSESSMENT***		
SUMMATIVE ASSESSMENT 3 W/B 25TH JANUARY		

BLOCK **FOUR: 4.5 WEEKS**		
Trigonometry 1	**Circle & Area**	**Statistics 2**
• Exact Values • Quadrant Practice • Related Angles	• Area of simple shapes. (1 period revision) • Surface Area • Circle (Arc, Area, Angle)	• Mean, Median, Mode and Range (1 period) • Five Figure Summaries • *Boxplots* • IQR/SIQR • Standard Deviation
• 1 Week	• 2 Weeks	• 1.5 Weeks
FORMAL EXERCISE 10	FORMAL EXERCISE 11	FORMAL EXERCISE 12
*ASSESS EACH STRAND **WITH QUIZ BEFORE BLOCK ASSESSMENT***		
SUMMATIVE ASSESSMENT 4 W/B 8TH MARCH		

COURSE **THREE : S5-6 1 YEAR NATIONAL 5**

BLOCK **FIVE : 6 WEEKS**		
Quadratics	**Volume**	**Trigonometry 2**

• Recap Factorising Methods
     ○ Common Factor
     ○ Difference of two squares
     ○ Trinomials
 • Completing the Square
 • Discriminant
 • Quadratic Formulae.
 • Quadratics sketching
	• Volume of Prisms
	 • Volume of a Sphere/Hemisphere
	 • Volume of Cone/Cylinder
		• Solving trigonometric equations
		 • Trigonometric graphs
		 • Triangle formulae
		 • Trigonometric identities.

• 2 weeks	• 1 week	• 3 weeks
FORMAL EXERCISE 13	FORMAL EXERCISE 14	FORMAL EXERCISE 15
ASSESS EACH* STRAND *WITH QUIZ BEFORE BLOCK ASSESSMENT		
SUMMATIVE ASSESSMENT 5 W/B 3RD OF MAY		