COURSE **THREE** : S3-4 NATIONAL 4/NATIONAL 5

NATIONAL 4: EXPRESSION AND FORMULAE: 6 WEEKS			
E&F 1.1	**E&F 1.2**	**E&F 1.3**	**Content covered for other assessments**
- Expand a single bracket - Common Factor - Collecting Like Terms - Substitution/Formulae - Linear Patterns - Gradient m = v/h	- Area & Circumference: Circle - Area of Rectangle/Triangle/Trapezium - Surface Area (Cuboids) - Volume: Area x Height - Rotational Symmetry	- Grouped Frequency Table - Mean, Range, Comparison - Drawing a Pie Chart - Probability	- Linear Patterns - Area and Perimeter - Probability
2 Weeks	2 Weeks	2 Weeks	
E & F 1.1 Assessment	E & F 1.2 Assessment	E & F 1.3 Assessment	
BLOCK COMPLETE BY 28TH SEPTEMBER			

NATIONAL 4: RELATIONSHIPS 5.5 WEEKS			
REL 1.1	**REL 1.2**	**REL 1.3/REL 1.4**	**Content covered for other assessments**
- Drawing straight lines from a table of values - Equation of Vertical/Horizontal lines - Solving 2 step equations - Changing the Subject (2 Step)	- Pythagoras Theorem - Scale Factor - Alternate/Corresponding Angles - Angles In a triangle/semi circle - Rotational Symmetry	- Trigonometry (1.3) - Plotting points on a Scattergraph (1.4) - Drawing Line of Best Fit/Estimate (1.4)	- Solving equations - Pythagoras - Scale Factor - Trigonometry - Scattergraphs/Line of best fit
1 Week	2.5 Weeks	2 Weeks	
REL 1.1 Assessment	REL 1.2 Assessment	REL 1.3/1.4 Assessment	
BLOCK COMPLETE BY 9TH NOVEMBER			

COURSE **THREE : S3-4 NATIONAL 4/NATIONAL 5**

NATIONAL 4: NUMERACY: 6 WEEKS		
NUM 1.1,1.2,1.3,1.4,1.5	**NUM 2.1, 2.2, 2.3**	**Content covered for other assessments**
- Simple Percentages (Multiples of 10% and 5%) - Foreign Exchange - Time Intervals *(Perimeter: Missing sides)* - Speed/Distance/Time : Converting Into decimal hrs - Sharing Ratio - Integers (Difference between temperatures) - Reading measuring jugs - Best Value (Deposit and Instalments) - Measuring Angle using protractors - Fractions of an amount (Pie Chart)	- Reading Tables - Reading Bar Graphs - Making Comparisons *(Probability- Decimal comparisons)*	- Solving equations - Pythagoras - Scale Factor - Trigonometry - Scattergraphs/Line of best fit
5 Weeks	1 Weeks	
Numeracy Assessment 1.1, 1.2, 1.3, 1.4, 1.5	REL 1.3/1.4 Assessment	
BLOCK COMPLETE BY 14TH DECEMBER (CHRISTMAS)		

COURSE **THREE : S3-4 NATIONAL 4/NATIONAL 5**

ADDED VALUE PAPERS		
AVU 1	**AVU 2**	**Revision of Units**
(Simple Percentages) *(Fraction of an amount)* - Adding and Subtracting Decimals *(Fraction of an amount: Pie Chart)*	- Solving equations : Letters and numbers both sides *(Area of a rectangle/semi circle)* *(Linear Patterns)* *(Speed/Distance/Time)* *(Pythagoras/Perimeter)* *(Trigonometry)* *(Scattergraphs)* *(Probability)*	Topics in brackets/Italics have already been taught for previous units and should be revision. New content is: Solving equations with letter and numbers both sides. Decimal addition and subtraction.
1 Week Added Value Paper 1 (20 mins)	3 Weeks Added Value Paper 2 (40 mins)	
BLOCK COMPLETE BY 8TH FEBRUARY		

NATIONAL 4 COURSE COMPLETE

COURSE **THREE : S3-4 NATIONAL 4/NATIONAL 5**

BLOCK **ONE : 9 WEEKS**		
Number	**Algebra**	**Geometry 1**
• Significant figures • Scientific Notation • Add/Subtract/Multiply/Divide Fractions	• Solving Equations/Inequalities • Functions and Formulae	• Gradient of a straight line • Equation of a Straight Line • Simultaneous Equations
• 3 Weeks	2 Weeks	• 4 Weeks
FORMAL EXERCISE 1	FORMAL EXERCISE 2	FORMAL EXERCISE 3
ASSESS EACH STRAND WITH QUIZ BEFORE BLOCK ASSESSMENT		
SUMMATIVE ASSESSMENT 1: W/B 26TH APRIL		

BLOCK **TWO: 8 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
• 3 Weeks	• 4 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 21ST JUNE		

END OF S3

COURSE **THREE : S3-4 NATIONAL 4/NATIONAL 5**

BLOCK **THREE : 11 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

• 4 Weeks	• 2 Weeks	• 5 Weeks
FORMAL EXERCISE 7	FORMAL EXERCISE 8	FORMAL EXERCISE 9
ASSESS EACH STRAND WITH QUIZ BEFORE BLOCK ASSESSMENT		
SUMMATIVE ASSESSMENT 3: W/B 1ST NOVEMBER		

BLOCK **FOUR : 7 WEEKS**		
Trigonometry 1	**Circle & Area**	**Statistics 2**
• Exact Values • Quadrant Practice • Related Angles	• *(Area of simple shapes: Revision)* • *(Surface Area)* • Circle (Arc, Area, Angle)	• Five Figure Summaries • *(Boxplots - no longer assessed at N5)* • IQR/SIQR • Standard Deviation
• 1 Week	• 3 Weeks	• 3 Weeks
FORMAL EXERCISE 10	FORMAL EXERCISE 11	FORMAL EXERCISE 12
ASSESS EACH STRAND WITH QUIZ BEFORE BLOCK ASSESSMENT		
SUMMATIVE ASSESSMENT 4: W/B 17TH JANUARY		

COURSE **THREE : S3-4 NATIONAL 4/NATIONAL 5**

BLOCK **FIVE: WEEK 12.5 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.

• 5 Weeks	• 2.5 Weeks	• 5 Weeks
FORMAL EXERCISE 13	FORMAL EXERCISE 14	FORMAL EXERCISE 15
*ASSESS EACH STRAND **WITH QUIZ BEFORE BLOCK ASSESSMENT***		
SUMMATIVE ASSESSMENT 5 : W/B 25TH APRIL		

END OF S4