Year 8

We follow the white rose SOW in year 8

Michaelmas 1	Proportional Reasoning		
	Unit 1: Ratio and Scale Unit 2 Multiplicative Change		
	Unit 3 Multiplying and Dividing Fractions		
Michaelmas 2	Representations		
	Unit 4: Working in the cartesian plane		
	Unit 5: Representing Dta		
	Unit 6: Tables and Probability		
Lent 1	Algebraic Techniques		
	Unit 7: Brackets, equations and inequalities		
	Unit 8: Sequences		
	Unit 9: Working with indices		
Lent 2	Developing Number		
	Unit10: Fractions, Decimals and Percentages		
	Unit 11: Standard Index Form		
	Unit 12: Developing number sense		
Trinity 1	Developing geometry		
	Unit13: Angles in parallel lines and polygons		
	Unit 14: Area of trapezia and circles		
	Unit 15: Line symmetry and reflection		
Trinity 2	Reasoning with data		
	Unit 16: The data handling cycle		
	Unit 17: Measures of location		
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Year 9 SOW Foundation

	Higher	Foundation
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Michaelmas 1	Algebraic Manipulation	Algebraic Manipulation
	Simplifying Expressions	Simplifying Expressions
	Expanding and factorising brackets	Expanding and factorising brackets
	Solving quadratic and linear equations	Solving linear equations
	Rearranging and using formulae	Rearranging and using formulae
Michaelmas 2	Proportional Reasoning	Proportional Reasoning
	DST graphs	DST calculations and graphs
	Solve problems involving currency	Currency conversions
	Solving problems involving ratio	Solve problems involving ratio
	Calculations and conversions between Fractions, decimals and percentages	Calculations and conversions between Fractions, decimals and percentages
Lent 1	Compound measures: speed , pressure and density	Decimals
	Direct and Inverse proportion	Directed numbers
		Rounding of decimal places and significant figures
		Estimating
		Using the laws of indices
Lent 2	Problem solving, forming and solving linear and	Drawing linear and quadratics graphs
		Solving linear equations
	Solving simultaneous equations	Solving inequalities and representing on a number line
	Changing the subject	
Trinity 1	Angles in shapes	Angles in shapes
	Angles in parallel lines	Angles in parallel lines
	Angles in polygons	Angles in polygons
	Problem solving with angles including with algebra	Symmetry in shapes
	Pythagoras and Trigonometry	Using and converting between metric units
Trinity 2	Types of data	Types of data
	Averages	Averages
	Scatter diagrams	Scatter diagrams
	Histograms	Pie Charts
	Cumulative Frequency	Frequency polygons
	Frequency polygons	Stem and Leaf

Year 10 SOW Foundation

	Higher	Foundation
Michaelmas 1	Algebraic Manipulation Linear Graphs Gradients and Intercepts Recognising graphs of circles, cubics, quadratics, inverse and reciprocals	Algebraic manipulation and solving linear and quadratic equations Solving pairs of Simultaneous equations graphically and algebraically
Michaelmas 2	Properties of 2d and 3d shapes Perimeter and area Volume and surface area of shapes including spheres, pyramids and frustums	HCF , LCM, Prime Factor Trees, venn diagrams Indices, Standard Form, Compound measures, real life graphs
Lent 1	Inequalities Upper and Lower bounds Estimating using significant figures Using standard form, Indices and Surds	Property of 2d and 3D shapes Area and perimeter of 2 D shapes Volume and surface area of prisms
Lent 2	Generating linear and quadratic sequences from the n'th term Deducing the n'th term Geometric (incl common ratio)and Fibonacci sequences Algebraic proof	Pythagoras theorem Trigonometry
Trinity 1	Transformations of shapes Congruence and similarity Vectors	Transformations of shapes Vectors
Trinity 2	Probability of non/independent events Sample space Probability trees Venn diagrams Frequency diagrams	N'th term for linear and quadratic sequences. Adding and subtracting column vector and representations.

Year 1	1
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	Higher	Foundation
Michaelmas 1	Transformation of graphs	Ange review
	Circle theorems	Bearings
	Equation of a circle	Compound measures
	Transformation of functions	
	Trigonometric Graphs	
Michaelmas 2	Gradient of a curve	Construction and Loci
	Area under a curve	Real Life graphs
	Interpret velocity/time graphs	
	Vectors	
	3D Trig and Pythagoras	
	Loci and constructions	
Lent 1	Revision	Revision
Lent 2	Revision	Revision
Trinity 1	Revision	Revision
Trinity 2	Revision	Revision

Statistics

Year	Term	Content area	Topics
9	M1/2	1. The collection of data	1(a) Planning 1(b) Types of data 1(c) Population and sampling 2(h) Estimation 1(d) Collecting data
9	L1/2	2. Processing, representing and analysing data	2(a) Tabulation, diagrams and representation
9	T1/2	2. Processing, representing and analysing data	 2(b) Measures of central tendency 2(c) Measures of dispersion 2(e) Scatter diagrams and correlation
10	M1/2	 Processing, representing and analysing data Probability 	2(f) Time series 3. Experimental and theoretical probability 2(d) Further summary statistics
10	L1/2	 Probability distributions Processing, representing and analysing data Statistical enquiry cycle/A03 practice 	 3. Probability distributions 2(c) Standardised scores 2(g) Quality assurance Mini-investigation
10	T1/2	PPE preparation	Gap analysis from past paper exam questions Statistical Enquiry Cycle
11	All	Revision	Gap analysis from PPE and past paper exam questions Statistical enquiry cycle