



## Key Stage 3 & 4: Maths Curriculum Plan 2021/22

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Whitrose Maths	Year 7	Algebraic Thinking	Place Value and Proportion	Applications of Number	Directed Number and Fractional Thinking	Lines and Angles	Reasoning with Number
		Sequences, Understand and use algebraic notation, Equality and Equivalence	Place Value and Ordering Integers and Decimals, Fraction, Decimal and % Equivalence	Solving Probs with Addition and Subtractions, Solving probs with Multiplication and Division, Fractions and % of Amounts	Operations and Equations with Directed Number, Addition and Subtraction of Fractions	Constructing, Measuring and Using Geometric Notation, Developing Geometric Reasoning	Developing Number Sense, Sets and Probability, Prime Numbers and Proof
	Year 8	Proportional Reasoning	Representations	Algebraic Techniques	Developing Number	Developing Geometry	Reasoning with Data
		Ratio and Scale, Multiplicative Change, Multiplying and Dividing Fractions	Working in the Cartesian Plane, Representing Data, Tables and Probability	Brackets, Equations and Inequalities, Sequences, Indices	Fractions and Percentages, Standard Index Form, Number Sense	Angles in Parallel Lines and Polygons, Area of Trapezia and Circles, Line Symmetry and Reflection	The Data Handling Cycle, Measures of Location
OCR Maths and Edexcel Statistics	Year 9 F	1 - Primes, Factors and Multiples, 2 - Algebraic Manipulation, 3 - Accuracy and Rounding	4 - Mensuration, 5 - Proofs and Formulae, 6 - Sequences	7 - Geometric constructions and calculations, 8 - Direct and Inverse Proportion,	9 - Percentage change, 10 - Solving of Equations	11 - Fractions and Decimals, 12 - Indices and Standard Form, 13 - Exact calculations	14 - Equations and Inequalities, 15 - Compound Measures
	Year 9 H	1 - Primes, Factors and Multiples, 2 - Algebraic Manipulation, 3 - Accuracy and Bounds	4 - Pythagoras and Trigonometry, 5 - Circles, Spheres and Pyramids, 6 - Proofs and Formulae, 7 - Constructions and Loci	8 - Geometric Proofs, 9 - Direct and Inverse Proportion, 10 - Percentage Change	11 - Graphical Solution of Equations, 12 - Algebraic Solution of Equations	13 - Fractions and Decimals, 14 - Standard Form and indices, 15 - Surds	Exact calculations, 16 - Trigonometry, 17 - 2D and 3D Representations, 18 - Sequences



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OCR Maths and Edexcel Statistics	Year 10 F	16 - 2D and 3D Representations, 17 - Geometric Review, 18 - Vectors	19 - Probability, Probability, 20 - Bivariate Data, Scatter diagrams	21 - Collecting, Organising, Presenting and Analysing Data, Collection of data, processing and representing data	Processing and representing data, 22 - Collecting, Organising, Presenting and Analysing Data, Summarising data	23 - Time Series, 24 - Index numbers, Revision	REVISION STATISTICS EXAM (2nd/3rd week of June), 25 - Graphs, 26 - Transformations
	Year 11 H	Ongoing assessment identifies gaps in knowledge. These gaps are reviewed and re-taught. There is a focus on group based and personalised learning throughout the year.					
	Year 10 H	19 - Straight Line Graphs, 20 - Real-World Graphs, 22 - Similar Figures, 23 - Compound Units	24 - Probability, Probability stats, Probability distributions	25 - Data Collection and Sampling, Collection of data, 26 - Organising, Presenting and Analysing Data	processing and representing data, summarising data	27 - Bivariate Data, scatter diagrams (stats), 28 - time series (stats), 29 - Index numbers	REVISION STATISTICS EXAM (2nd/3rd week of June), 30 - straight line review, 29 - Non Linear Graphs, 30 - Transformations
	Year 11 H	Vectors and Algebraic Proof units inserted for higher groups in HT1. Ongoing assessment identifies gaps in knowledge. These gaps are reviewed and re-taught. There is a focus on group based and personalised learning throughout the year.					

Key:

Number	Algebra and graphing	GCSE Statistics
Data	Shape space and measures	