The Mathematics Department at Wexham School
Mathematics Curriculum Map

Term	Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13
Autumn 1	Unit 1: Analysing and displaying data Unit 2: Number skills	**Pi** Unit 1: Number properties and calculations Unit 2: Shapes space and measure **Theta** Unit 1: Number Unit 2: Area and volume **Delta** Unit 1: Factors and Powers Unit 2: Working with powers	**Pi** Unit 1: Number properties and calculations Unit 2: Sequences and Equations **Theta** Unit 1: Indices and Standard form Unit 2: Expressions and formulae **Delta** Unit 1: Powers and Roots Unit 2: Quadratics	**Foundation** Unit 1: Number Unit 2: Algebra Unit 3: Graphs, Tables and Charts **Higher** Unit 1: Number Unit 2: Algebra Unit 3: Interpreting and representing data	**Foundation** Unit 16: Quadratic equations Unit 17: Perimeter, area and volume 2 Unit 18: Fractions, Indices and Standard Form **Higher** Unit 16: Circle Theorems Unit 17: More Algebra Unit 18: Vectors and geometric proof	**Pure** Unit 1: Algebraic expressions Unit 2: Quadratics Unit 3: Equations and inequalities **Applied** Unit 1: Data collection Unit 2: Measures of location and spread Unit 8: Modelling in mechanics	**Pure** Unit 1: Algebraic methods Unit 2: Functions and graphs Unit 3: Sequences and series **Applied** Unit 4: Moments Unit 1: Regression correlation and hypothesis testing
Autumn 2	Unit 3: Expressions, functions and formulae Unit4: Decimals and measures	**Pi** Unit 3: Statistics Unit 4: Expressions and equations **Theta** Unit 3: Statistics graphs and charts Unit 4: Expressions and equations **Delta** Unit 3: 2d and 3d solids Unit 4: Real life graphs	**Pi** Unit 3: Statistics Unit 4: Fractions, decimals and percentages **Theta** Unit 3: Dealing with data Unit 4: Multiplicative reasoning **Delta** Unit 3: Inequalities, equations and formulae Unit 4: Collecting and analysing data	**Foundation** Unit 4: Fractions and percentages Unit 5: Equations, inequalities and sequences **Higher** Unit 4: Fractions, ratio and percentages Unit 5: Angles and trigonometry	**Foundation** Unit 19: Congruence, similarity Unit 20: More Algebra **Higher** Unit 19: Proportion and graphs	**Pure** Unit 4: Graphs and transformations Unit 5: Straight line graphs **Applied** Unit 3: Representation of data Unit 9: Constant acceleration	**Pure** Unit 4: The binomial theorem Unit 5: Radians **Applied** Unit 2 – Conditional probability Unit 5: Forces and friction
Spring 1	Unit 5: Fractions Unit 6: Probability	**Pi** Unit 5: Decimal Calculations Unit 6: Angles **Theta** Unit 5: Real-life graphs Unit 6: Decimals and ratios **Delta** Unit 5: Transformations Unit 7: Fractions, decimals and percentages	**Pi** Unit 5: Geometry in 2d and 3d Unit 6: Algebraic and real-life graphs **Theta** Unit 5: Constructions Unit 6: Equations, inequalities and proportionality **Delta** Unit 5: Multiplicative reasoning Unit 6: Non-linear graphs	**Foundation** Unit 6: Angles Unit 7: Averages and range Unit 8: Perimeter, Area and volume 1 **Higher** Unit 6: Graphs Unit 7: Area and Volume Unit 8: transformations and constructions	Gap Analysis from AUT term mock examinations Revision techniques Examination paper practice Intervention classes	**Pure** Unit 6: Circles Unit 7: Algebraic methods Unit 8: The binomial expansion **Applied** Unit 4: Correlation Unit 5: Probability	**Pure** Unit 6: Trigonometric functions Unit 7: Trigonometry and modelling Unit 8: Parametric equations **Applied** Unit 6: Projectiles Unit 7: Applications of forces

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Spring 2	Unit 7: Ratio and Proportion	**Pi** Unit 7: Number properties **Theta** Unit 7: Lines and Angles **Delta** Unit 7: Construction and loci Unit 8: Probability	**Pi** Unit 7: Multiplicative reasoning **Theta** Unit 7: Circles, Pythagoras and prisms **Delta** Unit 7: Accuracy and measure Unit 8: Graphical solutions	**Foundation** Unit 9: Graphs Unit 10: Transformations **Higher** Unit 9: Equations and inequalities Unit 10: Probability	Gap Analysis from SPR term mock examinations Revision techniques Examination paper practice Intervention classes	**Pure** Unit 9: Trigonometric ratios Unit 10: Trigonometric identities and equations **Applied** Unit 6: Statistical distributions	**Pure** Unit 9: Differentiation Unit 11: Integration **Applied** Unit 3: The normal distribution
Summer 1	Unit 8: Lines and angles Unit 9: Sequences and graphs	**Pi** Unit 8: Sequences Unit 9: Fractions and percentages **Theta** Unit 8: Calculating with fractions Unit 9: Straight line graphs **Delta** Unit 9: Scale drawings and measure	**Pi** Unit 8: Algebraic and geometric formulae sequences Unit 9: Probability **Theta** Unit 8: Sequences and graphs Unit 9: Probability **Delta** Unit 9: Trigonometry	**Foundation** Unit 11: Ratio and proportion Unit 12: Right-angles triangles Unit 13: Probability **Higher** Unit 11: Multiplicative Reasoning Unit 12: Similarity and Congruency Unit 13: More trigonometry	**EDEXCEL** Paper 1 1 HOUR 30 minutes Non-calculator Paper 2 1 HOUR 30 minutes calculator	**Pure** Unit 11: Vectors Unit 12: Differentiation Unit 13: Integration **Applied** Unit 10: Forces and motion Unit 11: variable acceleration	**Pure** Unit 10: Numerical methods Unit 12: Vectors **Applied** Unit 8: Further kinematics
Summer 2	Unit 10: Transformations	**Pi** Unit 10: Probability **Theta** Unit 10: Percentages, decimals and fractions **Delta** Unit 10: Graphs	**Pi** Unit 10: Polygons and Transformations **Theta** Unit 10: Comparing shapes **Delta** Unit 10: Mathematical Reasoning	**Foundation** Unit 14: Multiplicative Reasoning Unit 15: Construction, loci and bearings **Higher** Unit 14: Further statistics Unit 15: Equations and Graphs	Paper 3 1 HOUR 30 minutes calculator	**Pure** Unit 14: Exponentials and logarithms **Applied** Unit 7: Hypothesis testing	Exam