

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	Unit 1: Number Unit 2: Area and volume	Unit 1: Indices and Standard form Unit 2: Expressions and formulae	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 Unit 4: Graphs and transformations Unit 5: Straight line graphs Applied Unit 1: Data collection Unit 2: Measures of location and spread Unit 3: Representation of data	Pure Unit 6: Trigonometric functions Unit 7: Trigonometry and modelling Applied Unit 2 – Conditional probability Unit 3 Normal distribution
Autumn 2	Unit 3: Expressions, functions and formulae Unit 4: Decimals and Measures	Unit 3: Statistics graphs and charts Unit 4: Expressions and equations	Unit 3: Dealing with data Unit 4: Multiplicative reasoning	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 6: Circles Unit 7: Algebraic methods Unit 8: The binomial expansion Unit 9: Trigonometric ratios Applied Unit 4: Correlation Unit 5: Probability Unit 6: Statistical distributions	Pure Unit 8: Parametric equations Unit 9: Differentiation Unit 10: Numerical methods Applied Unit 4: Moments Unit 5: Forces and friction
Spring 1	Unit 5: Fractions and Percentages Unit 6: Probability	Unit 5: Real-life graphs Unit 6: Decimals and ratios	Unit 5: Constructions Unit 6: Sequences, inequalities, equations and proportion	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 10: Trigonometric identities and equations Unit 11: Vectors Unit 12: Differentiation Applied Unit 7: Hypothesis testing Unit 8: Modelling in Mechanics	Pure Unit 11: Integration Unit 12: Vectors Applied Unit 6: Projectiles Unit 7: Applications of forces Unit 8: Further kinematics



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Spring 2	Unit 7: Ratio and Proportion	Unit 7: Lines and Angles	Unit 7: Circles, Pythagoras and prisms	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 13: Integration Unit 14: Exponentials and logarithms Applied Unit 9: Constant acceleration Unit 10: Forces and motion	Revision
Summer 1	Unit 8: Lines and angles Unit 9: Sequences and graphs	Unit 8: Calculating with fractions Unit 9: Straight line graphs	Unit 8: Graphs Unit 9: Probability	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	Pure Unit 1: Algebraic methods Unit 2: Functions and graphs Applied Unit 11: variable acceleration	Exam
Summer 2	Unit 10: Transformations	Unit 10: Percentages, decimals and fractions	Unit 10: Comparing shapes	Foundation Unit 14: Multiplicative Reasoning Unit 15: Construction, loci and bearings Higher Unit 14: Further statistics Unit 15: Equations and Graphs	Paper 2 1 HOUR 30 minutes calculator Paper 3 1 HOUR 30 minutes calculator	Pure Unit 3: Sequences and series Unit 4: The binomial theorem Unit 5: Radians Applied Unit 1: Regression correlation and hypothesis testing	Exam