

Key Stage 4 Maths – Summer Term Curriculum

Week	Date	Day	Topic	Learning Objective
Week 1	13 Apr	Mon	Indices	Apply index laws with positive and negative powers
	15 Apr	Wed	Standard Form	Convert numbers into and out of standard form and calculate with them
Week 2	20 Apr	Mon	Surds	Simplify surds and write numbers in surd form
	22 Apr	Wed	Surds	Rationalise the denominator and perform calculations with surds
Week 3	27 Apr	Mon	Algebra	Expand double brackets
	29 Apr	Wed	Algebra	Factorise quadratic expressions
Week 4	4 May	Mon	Quadratic Equations	Solve quadratics by factorising
	6 May	Wed	Quadratics	Solve quadratics using the quadratic formula
Week 5	11 May	Mon	Graphs	Plot quadratic graphs
	13 May	Wed	Graphs	Interpret quadratic graphs and identify roots
Week 6	18 May	Mon	Simultaneous Equations	Solve simultaneous equations algebraically

	20 May	Wed	Simultaneous Equations	Solve simultaneous equations involving quadratics
	25–29 May		Half Term Break	No lessons
Week 7	1 Jun	Mon	Trigonometry	Use sine, cosine and tangent in right-angled triangles
	3 Jun	Wed	Trigonometry	Solve multi-step trigonometry problems
Week 8	8 Jun	Mon	Pythagoras	Apply Pythagoras' theorem in problem solving
	10 Jun	Wed	3D Geometry	Use Pythagoras in 3D shapes
Week 9	15 Jun	Mon	Angles	Solve angle problems in polygons
	17 Jun	Wed	Circle Theorems	Apply circle theorems to calculate missing angles
Week 10	22 Jun	Mon	Transformations	Describe and perform reflections, rotations, translations and enlargements
	24 Jun	Wed	Transformations	Combine transformations and interpret them algebraically
Week 11	29 Jun	Mon	Vectors	Represent vectors and perform vector addition/subtraction

	1 Jul	Wed	Vectors	Solve geometric problems involving vectors
Week 12	6 Jul	Mon	Statistics	Interpret cumulative frequency graphs
	8 Jul	Wed	Statistics	Construct and interpret box plots
Week 13	13 Jul	Mon	Probability	Calculate probabilities from tree diagrams
	15 Jul	Wed	Probability	Conditional probability and problem solving
Week 14	20 Jul	Mon	GCSE Problem Solving	Multi-topic GCSE-style exam questions
	22 Jul	Wed	Review	Mixed exam-style questions and reasoning