

Year 11 Overview

Week Number	11 Higher	Chapter	11 Foundation	Chapter
Week 1	Bounds	13	Pythagoras' Theorem	12
Week 2	Area of Non Right Angled Triangles		Trigonometry - Missing Sides	
Week 3	Sine & Cosine Rules		Trigonometry - Missing Angles	
Week 4	Transforming Graphs		Simple Probability and Probability Tables	
Week 5	Cumulative Frequency & Box Plots	14	Two Way Tables and Sample Space Diagrams	13
Week 6	Histograms		VENN Diagrams & Frequency Diagrams	
Week 7	MOCK WEEKS		MOCK WEEKS	
Week 8	MOCK WEEKS		MOCK WEEKS	
Week 9	Solving Equations Graphically (Sim, Ineq, Quad)	15	Probability Trees	13
Week 10	Roots of Cubics & Turning Points	16	SDT, DMV, PFA	14
Week 11	Proof of Circle Theorems		Compound Percentage Change, Reverse Percentage	
Week 12	Applying Circle Theorems		Direct & Inverse Proportion	
Week 13	Rearrange Complex Formulae	17	Plans and Elevations, 3D Shapes	15
Week 14	Algebraic Fractions - inc Simplify		Constructions, Loci and Bearings	
Week 15	Surds - Expanding Brackets		Plotting Quadratics	16
Week 16	Algebraic Proof		Solving Quadratics	
Week 17	Function Notation - Inc Comp and Inverse		Labelling Circles, Area & Perimeter	17
Week 18	Function Notation - Inc Comp and Inverse		Spheres, Pyramids, Cones and Cylinders	
Week 19	MOCK WEEKS		MOCK WEEKS	
Week 20	Vector Notation inc Straight Line and Parallel	18	Standard Form - Converting and Calculations	18
Week 21	Vector Notation inc Straight Line and Parallel		Similarity & Congruence	19
Week 22	Direct & Inverse Proportion		Vectors (Simple)	
Week 23	Exponential Functions	19	Solving Simultaneous Equations	20
Week 24	Gradient of a Curve		Rearranging Formulae	
Week 25	Area under a Curve		Proof	
Week 26	REVISION WEEKS		REVISION WEEKS	
Week 27	REVISION WEEKS		REVISION WEEKS	
Week 28	REVISION WEEKS		REVISION WEEKS	
Week 29	REVISION WEEKS		REVISION WEEKS	
Week 30	REVISION WEEKS		REVISION WEEKS	
Week 31	REVISION WEEKS		REVISION WEEKS	
Week 32	POST EXAM		POST EXAM	
Week 33	POST EXAM		POST EXAM	
Week 34	POST EXAM		POST EXAM	
Week 35	POST EXAM		POST EXAM	
Week 36	POST EXAM		POST EXAM	
Week 37	POST EXAM		POST EXAM	
Week 38	POST EXAM		POST EXAM	

Term 2A - Foundation

Topic	Small Steps
Labelling Circles, Area & Perimeter	Understand and use correct vocabulary for circles and perimeters
	Calculate the circumference of a circle
	Solve problems involving the circumference of a circle
	Calculate the area of a circle
	Solve problems involving the area of a circle
	Give answers in terms of π
	Calculate the area of semi circles and quarter circles
	Solve problems involving sectors of circles
	Solve problems involving area and perimeter of 2D shapes
	Work out percentage error intervals
Spheres, Pyramids, Cones and Cylinders	Work out the volume and surface area of cylinders
	Work out the volume of a pyramid
	Work out the surface area of a pyramid
	Work out the volume of a cone
	Work out the surface area of a cone
	Work out the volume of a sphere
	Work out the surface area of a sphere
Work out the area and volume of composite solids	
Fractions and indices	Multiply and divide mixed numbers and fractions
	Know and use the laws of indices
Standard Form - Converting and Calculations	Write large numbers in standard form
	Convert numbers from standard to ordinary form
	Write small number in standard form
	Convert numbers from standard form to ordinary (with negative powers)
	Multiply and divide numbers in standard form
Similarity & Congruence	add and subtract numbers in standard form
	Understand similarity
	Use similarity to solve angle problems
	Find the scale factor of an enlargement
	Use similarity to solve problems
	Understand the similarity of regular polygons
	Calculate perimeters of similar shapes
	Recognise congruent shapes
	Use congruence to work out unknown angles
	Use congruence to work out unknown sides
Vectors (Simple)	Add and subtract vectors
	Find the resultant of two vectors
	Subtract vectors
	Find multiples of a vector

Term 2A - Higher

Topic	Small Steps
Algebraic Proof	Prove a result using algebra Proof by contradiction
Function Notation - Inc Comp and Inverse	Use function notation Find composite functions Find inverse functions
Vector Notation inc Straight Line and Parallel	Understand and use vector notation Work out the magnitude of a vector Calculate using vectors and represent the solutions graphically Calculate the resultant of two vectors Solve problems using vectors Use the resultant of two vectors to solve vector problems Express points as position vectors Prove lines are parallel Prove points are colinear Solve geometric problems in two dimensions using vector methods Apply vector methods for simple geometric proofs