

Year 11 Foundation Current Progress

	17. Perimeter, Area and Volume 2	18. Fractions, indices and standard form	19. Congruence, similarity and vectors	20. More algebra
Core knowledge:	17.1 Circumference of a circle 1 17.2 Circumference of a circle 2 17.3 Area of a circle 17.4 Semicircles and sectors 17.5 Composite 2D shapes and cylinders 17.6 Pyramids and cones 17.7 Spheres and composite solids	18.1 Multiplying and dividing fractions 18.2 The laws of indices 18.3 Writing large numbers in standard form 18.4 Writing small numbers in standard form 18.5 Calculating with standard form	19.1 Similarity and enlargement 19.2 More similarity 19.3 Using similarity 19.4 Congruence 1 19.5 Congruence 2 19.6 Vectors 1 19.7 Vectors 2	20.1 Graphs of cubic and reciprocal functions 20.2 Non-linear graphs 20.3 Solving simultaneous equations graphically 20.4 Solving simultaneous equations algebraically 20.5 Rearranging formulae 20.6 Proof

Edexcel Unit	SparxMaths Strand/Sub strand	SparxMaths Topic	Topic code	R	A	G
17. Perimeter, Area and Volume 2	Geometry/Circles	Identifying parts of circles	U767			
	Geometry/Circles	Finding the circumference of circles	U604			
	Geometry/Circles	Finding the area of circles	U950			
	Geometry/Circles	Finding the arc length of sectors	U221			
	Geometry/Circles	Finding the area of sectors	U373			
	Geometry/Surface area	Finding the surface area of cylinders	U464			
	Geometry/Volume	Finding the volume of cylinders	U915			
	Geometry/Surface area	Finding the surface area of cones	U523			
	Geometry/Surface area	Finding the surface area of spheres	U893			
	Geometry/Surface area	Mixed problems: Finding the surface area of cones and spheres	U771			
	Geometry/Volume	Finding the volume of cones	U116			
	Geometry/Volume	Finding the volume of spheres	U617			
	Geometry/Volume	Mixed problems: Finding the volume of cones and spheres	U426			
	Geometry/Volume	Finding the volume of pyramids	U484			
	Geometry/Surface area	Finding the surface area of composite shapes	U561			
	Geometry/Volume	Finding the volume of composite shapes	U543			
18. Fractions, indices and standard form	Number/Fractions and mixed numbers	Adding and subtracting mixed numbers	U793			
	Number/Fractions and mixed numbers	Multiplying with mixed numbers	U224			
	Number/Fractions and mixed numbers	Dividing with mixed numbers	U538			
	Number/Index rules	Index rules with positive indices	U235			
	Number/Index rules	Index rules with negative indices	U694			

Edexcel Unit	SparxMaths Strand/Sub strand	SparxMaths Topic	Topic code	R	A	G
	Number/Standard form	Using standard form with positive indices	U330			
	Number/Standard form	Using standard form with negative indices	U534			
	Number/Standard form	Multiplying and dividing numbers in standard form	U264			
	Number/Standard form	Adding and subtracting numbers in standard form	U290			
	Number/Standard form	Standard form with a calculator	U161			
19. Congruence, similarity and vectors	Geometry/Similarity and congruence	Understanding congruence	U790			
	Geometry/Similarity and congruence	Understanding similarity	U551			
	Geometry/Similarity and congruence	Mixed problems: Understanding similarity and congruence	U112			
	Geometry/Similarity and congruence	Congruent triangles	U866			
	Geometry/Similarity and congruence	Finding unknown sides in similar shapes	U578			
	Geometry/Vectors	Understanding column vectors	U632			
	Geometry/Vectors	Adding and subtracting column vectors	U903			
	Geometry/Vectors	Multiplying column vectors by a scalar	U564			
	Geometry/Vectors	Identifying parallel vectors	U660			
20. More algebra	Algebra/Rearranging formulae	Changing the subjects of formulae with one step	U675			
	Algebra/Rearranging formulae	Changing the subjects of formulae with two or more steps	U181			
	Algebra/Algebraic proofs	Writing algebraic proofs	U582			
	Ratio, Proportion & Rates of Change/Proportion	Graphs of direct and inverse proportion	U238			
	Algebra/Graphs and coordinates	Find equation of a straight line from two points on the line	U848			
	Algebra/Graphs and coordinates	Interpreting equations of straight-line graphs	U669			
	Algebra/Non-linear graphs	Graphs of cubic functions	U980			
	Algebra/Non-linear graphs	Graphs of reciprocal functions	U593			
	Algebra/Simultaneous equations	Solving simultaneous equations using elimination	U760			
	Algebra/Simultaneous equations	Solving simultaneous equations using substitution	U757			
	Algebra/Simultaneous equations	Constructing and solving simultaneous equations	U137			
	Algebra/Simultaneous equations	Solving simultaneous equations graphically	U836			