Торіс		Grade	1	2	3	4	5
Number :							
Using a Calculator							
	Use BIDMAS to carry out operations	D					
	in the correct order						
	Use a calculator to add, subtract,	D					
	multiply and divide fractions						
	Use a calculator to add, subtract,	С					
	multiply and divide mixed numbers						
Algebra:							
Equations and Formulae							
	Manipulate algebraic expressions	D					
	Set up and solve linear equations	С					
	from real life situations						
	Solve non-linear equations using trial	С					
	and improvement						
	Solve a pair of linear simultaneous	В					
	equations						
	Solve quadratics by factorising	Α					
	Solve quadratics using the formula	Δ					
	Set up and solve a real life problems	^					
	using simultaneous equations	A					
	Set up and solve a real life problems	Δ*					1
	using quadratics						
Number:							
Proportions							
	Calculate average speed from data	D					
	Calculate distance from speed and	П					
	time						
	Calculate time from speed and	D					
	distance	U					
	Solve problems involving speed	С					
	Solve problems involving density	R					
Coorrection		D					
Shanos							
Shapes	Calculate the circumference and area						ł
	of a circle	D					
	Calculate the area of a trapezium						
		U					
	Calculate the volume of prisms and	С					
	cylinders						
	Calculate the length of an arc and the	В					
	Calculate the surface area of				}	}	+
	cylinders, cones and spheres	В					
	Calculate the volume of pyramids						+
	cones and spheres	В					
	Calculate the volume and surface area	Λ					
	of compound 3D shapes	A					
				1	1	1	1

Торіс		Grade	1	2	3	4	5
Geometry:							
Pythagoras and							
Trigonometry							
	Use Pythagoras' theorem in right	С					
	angled triangles						
	Solve problems in 2D using	С					
	Pythagoras' theorem						
	Solve problems in 3d using Pythagoras' theorem	В					
	Use trigonometry to find lengths of sides and angles in right angled	В					
	triangles						
	Use trigonometry to solve problems	В					
	Solve complex 2D problems, using Pythagoras' theorem and trigonometry	A					
	Use the Sine and Cosine rules to calculate missing angles or sides in non-right angled triangles	A					
	Find the area of triangle using the formula for area = ½ abSinC	А					
	Use the Sine and Cosine rules to solve more complex problems involving non-right angled triangles	A*					
	Solve 3D problems, using Pythagoras' theorem and trigonometric ratios	A*					
Geometry: Angles and properties of circles							
	Find angles in triangles and quadrilaterals	D					
	Find interior angles and exterior angles in polygons	С					
	Find angles in circles	В					
	Find angles in circles using the alternate segment theorem	А					
	Use circle theorems to prove geometrical results	A*					

Торіс		Grade	1	2	3	4	5
Geometry:							
Transformation							
Geometry							
	Reflect a 2D shape in a line x=a or y=b	D					
	Rotate a 2D shape about the origin	D					
	Enlarge a 2D shape by a whole number scale factor	D					
	Translate a 2d shape by a vector	С					
	Reflect a 2D shape in the line y=x or y=-x	С					
	Rotate a shape about any point	С					
	Enlarge a 2D shape by a fractional scale factor	С					
	Enlarge a shape about any point	С					
	Know the conditions to show two triangles are congruent	В					
	Enlarge a shape by a negative scale factor	В					
	Prove two triangles are congruent	А					
Geometry: Constructions							
	Construct line and angle bisectors	С					
	Describe and draw the locus of a point from a given rule	С					
	Use loci to solve problems	С					
	Construct a perpendicular from a point on a line	В					
	Construct a perpendicular from a point to a line	В					
	Construct angles of 90° and 60°	В					
Measures: Similarity							
	Work out unknown lengths in 2D shapes, using scale factors	С					
	Use ratios and equations to find unknown lengths in similar triangles	В					
	Solve problems, using area and volume scale factors	А					
	Solve more complex problems, using area and volume scale factors	A*					

Торіс		Grade	1	2	3	4	5
Algebra:							
More graphs and							
equations							
	Draw quadratic graphs, using a table	С					
	of values						
	Solve quadratic equations from their	В					
	graphs						
	Plot cubic graphs, using a table of	В					
	values						
	Recognise the shapes of graphs y=x <sup>3</sup>	В					
	and $y = 1/x$						
	Draw a variety of graphs such as	Α					
	exponential and reciprocal graphs						
	using a table of values	l.					
	Solve equations, using the	A*					
	Intersection of two graphs						
	sine and cosine problems	A↑					
	Find two angles between 0° and 260°	۸ *					
	for any given value of a trigonometric	A*					
	ratio (nositive or negative)						
Number:							
Variation							
	Find formulae describing direct or	٨					
	inverse variation and use them to						
	solve problems						
Geometry:	· ·						
Vectors							
	Solve problems, using addition and	Α					
	subtraction of vectors						
	Solve complex geometrical problems,	A*					
	using vectors						
	Use proof in geometrical problems	A*					
Algebra:							
Transformation of							
graphs							
	Transform the graph of a given	A*					
	functions						
	Identify the equation of a function	A*					
	from its' graph, which has been						
	formed by a transformation on a						
	known function.						