





	2D Shapes					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Recognise and	Identify and	Draw 2D shapes	Compare and	Distinguish between	Draw 2D shapes using	
name common 2D	describe the	with accuracy.	classify geometric	regular and irregular	given dimensions and	
shapes (e.g.	properties of 2D		shapes, including	polygons based on	angles.	
rectangles,	shapes, including		quadrilaterals and	reasoning about equal		
squares, circles	the number of		triangles, based on	sides and angles.		
and triangles).	sides and vertical		their properties			
	lines of symmetry.		and size.			
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	Identify 2D shapes		Identify lines of	Use the properties of	Compare and classify	
	on the surface of a		symmetry in 2D	rectangles to find	geometric shapes based	
	3D shapes (e.g. a		shapes presented	missing lengths and	on their properties and	
	triangle on a		in different	angles.	sizes.	
	pyramid).		orientations.			
	Compare and sort				Illustrate and name parts	
	common 2D				of circles including:	
	shapes and				radius, diameter and	
	everyday objects.				circumference.	
					Additionally, know that	
					the diameter is twice the	
					radius.	
True or false?	Always,	Always,	Always,	Always, sometimes,	Always, sometimes,	
All 2-D shapes	sometimes,	sometimes,	sometimes,	never	never	
have at least 4	never	never	never	Is it always, sometimes	Is it always, sometimes	
sides.	Is it always,	Is it always,	Is it always,	or never true that the	or never true that, in a	
Other	sometimes or never true that	sometimes or never that all sides	sometimes or never true that the	number of lines of reflective symmetry in a	polyhedron, the number of vertices plus the	
possibilities	when you fold a	never that all sides	two diagonals of a	regular polygon is equal	or vertices plus trie	
possibilities	witch you lold a		Livio diagonais or a	regular porygon is equal		







Can you find	square in half you	of a hexagon are	rectangle meet at	to the number of its	number of faces equals
shapes that can	get a rectangle?	the same length?	right angles?	sides?	the number of edges?
go with the set					
with this label?	Other	Other	Other	Other possibilities	Other possibilities
	possibilities	possibilities	possibilities	A rectangular field has a	The angle at the top of
"Have straight	Can you find	Can you find	Can you show or	perimeter between 14	an isosceles triangle is
sides."	shapes that can	shapes that can go	draw a polygon	and 20 metres.	110 degrees.
	go with the set	with the set with	that fits both of	What could its	What are the other
What's the	with this label?	this label?	these criteria?	dimensions be?	angles in the triangle?
same, what's			What do you look		
different?	"Have straight	"Have straight	for?		
	sides and all sides	sides that are			
Find a rectangle	are the same	different lengths."	"Has exactly two		
and a triangle in	length."		equal sides."		
this set of shapes.					
What is the same?			"Has exactly two		
What is different?			parallel sides."		

3D Shapes							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Recognise and	Recognise and	Make 3D shapes		Identify 3 shapes,	Recognise and build		
name common 3-	name common 3-	using modelling		including cubes and	simple 3-D shapes,		
D shapes (e.g. cuboids, cubes, pyramids and spheres).	D shapes (e.g. cuboids, cubes, pyramids and spheres).	materials.		cubes, from 2D nets.	including making nets.		
	Compare and sort	Recognise 3D					
	common 3D	shapes in different					







shapes and everyday objects.	orientations and describe them.		
What's the same, what's different? Look at and touch three 3D shapes. Do they all have straight edges and flat services? What is the same and what is different between them?	Visualising I am thinking of a 3D shape which has faces that are triangles and squares. What could my shape be?	What's the same, what's different? What is the same and what is different about the net of a cube and the net of a cuboid?	What's the same, what's different? What is the same and what is different about the net of a triangular prism and a square based pyramid?

Angles & Lines						
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
		Recognise angles	Identify acute and	Know angles are	Find unknown angles in	
		as a property of a	obtuse angles.	measured in degrees:	any triangles,	
		shape or a		estimate and compare	quadrilaterals and	
		description of a		acute, obtuse and reflex	regular polygons.	
		turn.		angles.		
		Identify right	Compare and	Draw given angles, and	Recognise angles where	
		angles,	order angles up to	measure them in	they meet at a point, on	
		recognising that	two right angles	degrees.	a straight line, vertically	
		two right angles	by size.		opposite and use these	
		make a half turn,			to find missing angles.	







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three make three quarters and four make a whole turn. Identify whether angles are greater of less than a right angle.	Identify lines of symmetry in 2D shapes.	Identify: • Angles at a point/a whole turn (total 360). • Angles at a point on a straight line (total 180). • Other multiplies of	Draw given angles, and measure them in degrees.
Identify horizontal and vertical lines that are perpendicular and parallel.	Complete a simple symmetric figure with respect to a line of symmetry.	90.	
Which capital letters have perpendicular and /or parallel lines? Convince me.	Billy says that he can draw a right angled triangle which has another angle which is obtuse. Is he right? Explain why.	What is the angle between the hands of a clock at 4 o'clock? At what other times is the angle between the hands the same? Convince me.	Convince Me One angle at the point where the diagonals of a rectangle is 36 degrees. What could the other angles be? Convince me.







Vocabulary							
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
cube	property	equilateral	Circumference	nets	intersecting		
cuboid	surface	isosceles	relax		intersection		
pyramid	circular	scalene	opposite		radius		
sphere	hexagon	angles	construct		diameter		
cone	octagon	right angle	spherical				
cylinder	quadrilateral	symmetrical	cylindrical				
circle	pentagon	perpendicular					
square	polygon	regular					
triangle	prism	irregular					
flat	vertical	acute					
curved	horizontal vertex	obtuse					
round	vertices	parallel					
straight	line of symmetry						
face	reflection						
side							
edge							
sort							
2D							
3D							