

Year 4 Properties of Shape Learning Journey

Ready to Progress

Non-statutory guidance for key skills and knowledge needed

Resources, ideas and assessment questions available in the Maths Guidance NCETM

Year 3 Prior Learning	Year 4	NCETM
Recognise angles as a property of shape or a description of a turn		
Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn Identify right angles in 2D shapes presented in different orientations	Identify acute and obtuse angles and compare and order angles up to two right angles by size.	
✓ Identify a right angle as a quarter turn and when a shape has a right angle	✓ Find acute angles.	
✓ Recognise that two right angles make a half-turn	✓ Find obtuse angles.	
✓ Recognise that three right angles make three quarters of a turn	✓ Order a set of angles by size.	
✓ Recognise that four right angles make a complete turn		
Identify whether angles are greater than or less than a right angle		
✓ Identify angles that are less than right angle		
✓ Identify angles that are greater than a right angle		
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines		
	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	
	✓ Identify and describe an equilateral triangle.	
	✓ Identify and describe an isosceles triangle.	
	✓ Identify and describe a scalene triangle.	
	✓ Identify and describe a parallelogram.	
	✓ Identify and describe a rhombus.	
	✓ Identify and describe a trapezium.	
	✓ Identify and describe a kite.	
	✓ Classify 2D shapes.	

Year 3	Year 4	NCETM
	Identify lines of symmetry in 2-D shapes presented in different orientations.	
	✓ Classify lines of symmetry of a 2D shape.	
	✓ Identify a line of symmetry of a pattern and for a diagram of a reflection.	
Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	Complete a simple symmetric figure with respect to a specific line of symmetry	
✓ Sketch common 2D shapes	✓ Use a line of symmetry to complete a symmetrical pattern.	
✓ Construct common 2D shapes using a ruler	✓ Use a line of symmetry to produce a symmetrical pattern.	
✓ Make and identify 3D shapes using modelling materials		