The Acorn Partnership

This document sets out the expectation for Maths learning in each term for each year group. It is divided into sections within different parts of the maths curriculum.

Garden Class

	EYFS			Year 1			Year 2		
	Geometry: Properties of Shapes								
	Autumn	Spring	Summer	Autumn	Spring	Summer	Autumn	Spring	Summer
Identifying Shapes and their Properties	Identify and name circles and triangles	Recognise and name 3-D shapes.	To select shapes for a purpose.	Recognise and name common 2-D and 3-D shapes, including: • 2-D shapes [for example, rectangles (including squares), circles and triangles] • 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].			Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line		
	Recognise shapes in the environment.	Find 2-D shapes within 3-D shapes	To find 2-d shapes within 3d shapes.				Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces		
	Identiy and name shapes with 4 sides.						Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]		
Drawing and constructing			To compose and decompose shapes.						
			To copy 2-D shape pictures.						
Comparing and classifying	Compare circles and triangles	Use 3-D shapes for tasks	To rotate and manipulate shapes.				Compare and sort common 2-D and 3-D shapes and everyday objects.		
	Find shapes in the environment	Find 3-D shapes in the environment.	To explain shape arrangements.	Sort 2-D and 3-D shapes					

Angles							

Lower KS2

	Year 3			Year 4		
	Geometry: Properties of Shapes					
	Autumn	Spring	Summer	Autumn	Spring	Summer
Identifying Shapes and their Properties	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them		draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	identify lines of symmetry in 2-D shapes presented in different orientations		
				complete a simple symmetric figure with respect to a specific line of symmetry.	complete a simple symmetric figure with respect to a specific line of symmetry.	complete a simple symmetric figure with respect to a specific line of symmetry.
Drawing and constructing						
Comparing and classifying				compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
Angles	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 whether angles are greater than or less than a right angle	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 whether angles are greater than or less than a right angle	identify acute and obtuse angles and compare and order angles up to two right angles by size		
	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 whether angles are greater than or less than a right angle	identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	identify horizontal and vertical lines and pairs of perpendicular and parallel lines.			

identify horizontal and vertical lines and pairs of perpendicular and parallel lines.					

Upper KS2

		Year 5			Year 6	
				Geometry: Properties of Shapes		
	Autumn	Spring	Summer	Autumn	Spring	Summer
Identifying Shapes and their Properties	identify 3-D shapes, including cubes and other cuboids, from 2-D representations				illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius	illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
Drawing and constructing		draw given angles, and measure them in degrees (o)		draw 2-D shapes using given dimensions and angles	draw 2-D shapes using given dimensions and angles	draw 2-D shapes using given dimensions and angles
					recognise, describe and build simple 3-D shapes	draw 2-D shapes using given dimensions and angles including nets
Comparing and classifying		use the properties of rectangles to deduce related facts and find missing lengths and angles		compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons		compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons
		distinguish between regular and irregular polygons based on reasoning about equal sides and angles.				
Angles	know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles			recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.		