

Sharks Class

Half-Termly Maths Learning Journey Overview

Summer 2:2026

As Mathematicians we will be...

Position and Direction
Weight and Mass
Capacity and Volume
Temperature

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Dates:		Mon 01.06.25	Mon 08.06.25	Mon 15.06.25	Mon 22.06.25	Mon 29.06.25	Mon 06.07.25	Mon 13.07.25
EYFS Development Matters Birth – 3 years	Position and Direction Mass and Volume Temperature	Position and Direction * Learn to build with a range of resources. * Learn to complete inset puzzles.	Weight and Mass * Learn to compare sizes, weights etc using gesture and language, for example, “bigger, little, smaller, high or low, tall, heavy.”	Capacity and Volume * Learn to climb and squeeze themselves into different types of spaces. * Learn to compare sizes, weights etc using gesture and language, for example, “bigger, little, smaller, high or low, tall, heavy.”	Temperature			
EYFS Development Matters 3 – 4 year olds	Position and Direction Mass and Volume Temperature	Position and Direction * Learn to understanding position through words alone, for example “the bag is under the table” with no pointing. * Learn to describe a familiar route. * Learn to discuss routes and locations, using words like “in front of” and “behind.”	Weight and Mass * Learn to make comparisons between objects relating to size, length, weight and capacity. * Learn to select shapes appropriately such as flat surfaces for building or a triangular prisms for a roof.	Capacity and Volume * Learn to make comparisons between objects relating to size, length, weight and capacity. * Learn to select shapes appropriately such as flat surfaces for building or a triangular prisms for a roof. * Learn to combine shapes to make new ones, for example an arch or a bigger triangle.	Temperature Learn to talk about the differences between materials and changes they notice.			

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EYFS Development Matters Reception	Position and Direction Mass and Volume Temperature	Position and Direction * Learn to select, rotate and manipulate shapes to develop spatial reasoning skills. * Learn to compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.	Weight and Mass Learn to compare length, weight and capacity.	Capacity and Volume Learn to compare length, weight and capacity.	Temperature Understand some important process and changes in the natural world around them, including the seasons and changing states of matter
Progression Step 1	Position and Direction Mass and Volume Temperature	Position and Direction ★ Assemble a 4 piece puzzle ★ Assemble a 6 piece puzzle ★ Place objects in a line ★ Put an object together with assistance ★ Watch a member of staff rebuild an object ★ Place bricks on top of each other successfully ★ Start to be able to find an object with one specific characteristic ★ Communicate and follow instructions using the terms “in” and “out” ★ Identify movements as “up” and “down” ★ Find an object by location. ★ Underwrite a simple drawn pattern	Weight and Mass ★ Pick up sand with a tool ★ Put objects in a bag to carry them ★ Use the terms “heavy” and “light” in play situations	Capacity and Volume ★ Fill a container ★ Fill a container with objects ★ Explore the use of objects in water play ★ Pour water from one container to another with little spillage ★ Drink from a cup placed in front of them, expecting it to contain liquid	Temperature ★ Know ice cream melts ★ Understand that the cooker makes food hot ★ Identify that the sun is seen through the day ★ Show an awareness of danger when objects are hot ★ Observe and respond to the results of putting water in the freezer ★ Observe and respond to the results of putting ice in the sun

		<ul style="list-style-type: none"> ★ Communicate using positional language 			<ul style="list-style-type: none"> ★ Describe how the temperature of water feels in simple terms
Progression Step 2	Position and Direction Mass and Volume	<ul style="list-style-type: none"> ★ Copy a pattern using real life objects ★ Copy a simple linear pegboard pattern of 5 pegs ★ Discuss patterns in terms of shapes/line/colour ★ Turn objects to align them ★ Respond appropriately to position-based terminology ★ Move an object forwards on command ★ Move an object backwards on command ★ Describe the directional movement of an object 	<ul style="list-style-type: none"> ★ Point to an object which is obviously heavier than another without picking it up ★ Describe the weight of an object I am carrying, eg a bag of shopping ★ From a choice of 2, find the lighter/heavier package ★ Find an object that is heavier/lighter than another with minimal assistance ★ Compare the weight of 2 objects with assistance ★ Move objects on a scale in an attempt to make them balance ★ Balance objects on a weighing scale ★ State when I have observed objects balance 	<ul style="list-style-type: none"> ★ Copy a pattern using real life objects ★ Copy a simple linear pegboard pattern of 5 pegs ★ Discuss patterns in terms of shapes/line/colour ★ Turn objects to align them ★ Respond appropriately to position-based terminology ★ Move an object forwards on command ★ Move an object backwards on command ★ Describe the directional movement of an object 	<ul style="list-style-type: none"> ★ Describe what a thermometer measures ★ Notice the change in temperature on a thermometer ★ Predict what will happen when something is taken out of the freezer ★ Expect something to come out of the freezer to feel cold ★ Identify that food is placed in an oven to warm it up ★ Identify that food is placed in the freezer to keep it cold/frozen ★
Progression Step 3	Position and Direction Mass and Volume	<ul style="list-style-type: none"> ★ Rotate puzzle pieces to fit into place ★ Assemble a 10-piece puzzle ★ Build using geometric construction materials ★ Continue and create a pattern using real-life materials ★ Find objects from simple positional and directional clues 	<ul style="list-style-type: none"> ★ Order 2 objects/items by weight ★ Compare weights by handling ★ Find objects lighter/heavier than a specified item ★ Help a member of staff to use weighing scales in order to compare the weight of something ★ Use comparative language to describe an 	<ul style="list-style-type: none"> ★ Rotate puzzle pieces to fit into place ★ Assemble a 10-piece puzzle ★ Build using geometric construction materials ★ Continue and create a pattern using real-life materials ★ Find objects from simple positional and directional clues ★ Place objects when asked “on top of” etc ★ Describe where objects are in relation to others using positional language 	<ul style="list-style-type: none"> ★ List ways to heat something up ★ List ways to cool something down ★ Recognise that very hot objects burn ★ Identify that the sun creates warmth ★ Express the terms “hot” and “cold” appropriately

		<ul style="list-style-type: none"> ★ Place objects when asked “on top of” etc ★ Describe where objects are in relation to others using positional language ★ Physically follow “forward, backward and turn” instructions ★ Give another person forward, backward and turn instructions to move from one point to another 	<p>object as light or heavy, lighter or heavier</p>	<ul style="list-style-type: none"> ★ Physically follow “forward, backward and turn” instructions ★ Give another person forward, backward and turn instructions to move from one point to another 	<ul style="list-style-type: none"> ★ Name some objects that can be hot ★ Describe simply how the temperature feels, eg when going outside ★ Compare the temperature of water using my hands 	
Year 1	Position and Direction Mass and Volume Temperature	<p>Use Language of Position:</p> <ul style="list-style-type: none"> ★ On top ★ Under ★ In front ★ Behind ★ Above ★ Below ★ Near ★ Far ★ Around ★ Up ★ Down ★ Inside ★ Outside <p>Use Language of Direction:</p> <ul style="list-style-type: none"> ★ Left ★ Right ★ Forwards ★ Backwards ★ Describe direction of turn using clockwise and anti-clockwise ★ Make whole, half, quarter and three-quarter turns 	<ul style="list-style-type: none"> ★ Describe weight/mass ★ Compare weight/mass ★ Begin to use scales ★ Solve simple practical problems involving mass and weight ★ Measure and begin to record mass and weight in standard units with support (g, kg) ★ Use the terms heavy/light/heavier than/lighter than 	<p>Use Language of Position:</p> <ul style="list-style-type: none"> ★ On top ★ Under ★ In front ★ Behind ★ Above ★ Below ★ Near ★ Far ★ Around ★ Up ★ Down ★ Inside ★ Outside <p>Use Language of Direction:</p> <ul style="list-style-type: none"> ★ Left ★ Right ★ Forwards ★ Backwards ★ Describe direction of turn using clockwise and anti-clockwise ★ Make whole, half, quarter and three-quarter turns 	<ul style="list-style-type: none"> ★ Describe different temperatures using a variety of simple appropriate terms ★ Compare temperatures given as numbers eg 5 degrees is colder than 10 degrees. 	
		Weight and Mass	Capacity and Volume	Position and Direction	Temperature	Statistics

<p>Year 2</p>	<p>Position and Direction Statistics Mass, Capacity and Temperature</p>	<ul style="list-style-type: none"> ★ Chooses and uses appropriate standard units to estimate and measure weight/mass (kg/g) ★ Compares and orders mass and records using >< and = ★ Uses scales ★ Reads scales in divisions of ones, twos, fives, and tens (PKSS) 	<ul style="list-style-type: none"> ★ Chooses and uses appropriate standard units to estimate and measure capacity (litres/ml) ★ Compares and orders volume/capacity & records using >< and = ★ Uses measuring vessels 	<ul style="list-style-type: none"> ★ Arranges mathematical objects in patterns ★ Describes movement using the language of direction, EG: backwards, left ★ Expresses a turn in relation to a right angle ★ Orders mathematical objects in a sequence ★ Recognises that a quarter turn is a right angle ★ States how many right angles in a quarter, half and three-quarter turn ★ Uses mathematical vocabulary to describe position 	<ul style="list-style-type: none"> ★ Chooses and uses appropriate standard units to estimate and measure temperature (°C) ★ Compares, orders and records temperature using > < and = ★ Measures temperature using a thermometer with some accuracy 	<ul style="list-style-type: none"> ★ Interprets and constructs simple pictograms ★ Interprets and constructs tally charts ★ Interprets and constructs block diagrams ★ Interprets and constructs simple tables ★ Counts objects in each category to find the total ★ Sorts categories by quantities ★ Solves questions relating to totalling ★ Asks questions about totalling ★ Compares categorical data ★ Collates and organises information ★ Compares information
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