Reception Mathematics Shape, Space and Measures Termly Overview

Termly Progression		Suggested Learning Opportunities
Mathematics Shape, Space and Measures Autumn	- Beginning to use mathematical names for 'flat' 2D shapes, and mathematical terms to describe shapes. - Selects a particular named shape. - Sorts and classifies 2D shapes. - Understands characteristics of 2D shapes e.g. corners and sides. - Children use everyday language to talk about money through practical activities. - Understands what money is for and the different forms of money. - Recognises different coins through play. - Understands 'near' or 'close'. - Understands 'far away' - Compares the length of two different objects e.g. which is longest / shortest. - Ordering objects by length e.g. shortest to longest. **ELG - Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.**	- NRICH EYFS Long Creatures - NRICH EYFS Making Caterpillars - Building towers, blocks, Lego - Measuring children, plant growth, leaves, paper or ribbon for role play post office, - Find 5 objects that are longer than your thumb. Find 5 objects that are shorter than your thumb. Find an object that is about the same length as your thumb.
Mathematics Shape, Space and Measures Spring	**This term, children will:** **Explore characteristics of everyday objects and shapes and use mathematical language to describe them. Recognise, create and describe patterns. Children use everyday language to talk about time, size, weight and capacity to compare quantities and objects and to solve problems** - Beginning to use mathematical names for 'solid' 3D shapes and mathematical terms to describe shapes. - Selects a particular named 3D shape. - Sort and classify 3D shapes according to own criteria. - Understands some characteristics of 3D shapes including face, edge and vertices. - Orders two or three items by length or height. - Understands 'light' and 'heavy' and compares two objects. - Orders objects by weight e.g. lightest to heaviest. - Understands and uses balance scales.	-

	• Orders two items by weight or capacity. • Understands full, empty and half full. • Estimate how many 'cups' full will it take to fill a variety of containers. • Uses everyday language related to time. • Name the days of the week in order. • Orders and sequences familiar events e.g. the school day, own life etc. • Understands 'old' and 'new'. • Measures short periods of time in simple ways. **ELG - Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.**	
Mathematics Shape, Space and Measures Summer	• Compares two time durations e.g. quicker / slower. • Estimates and measures 'how many times I can ___' in 10 seconds or 1 minute. • Uses vocabulary of o'clock. • Orders coins to their value. • Sort coins by their denomination. Use money in play and real life situations e.g. understanding need for change to be given and using the vocabulary of this. • Solve simple problems involving money e.g. 'do we have enough money?' • Can describe their relative position such as 'behind' or 'next to'. • Creates and extends 2 and 3 + step patterns. • Understands and recognises symmetry. ***Use opportunity to revise shapes through patterns also.*** **ELG - Children use everyday language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems. They recognise, create and describe patterns. They explore characteristics of everyday objects and shapes and use mathematical language to describe them.**	•