

## Foundation Stage 2 Block C Mathematics Overview

Unit	IEYC Learning Outcomes	Weekly Goal	Activities
Exploring Patterns	2.39b Exploring number formation, mathematical symbols and number patterns using a range of materials	<ul style="list-style-type: none"> <li>Making simple patterns.</li> <li>Exploring more complex patterns.</li> </ul>	<ul style="list-style-type: none"> <li>Making patterns using a variety of 2D and 3D shapes, blocks and buttons</li> <li>Spot repeating patterns in the surrounding environment</li> <li>Make a repeating patterns using pasta on a string</li> <li>Carry on a pattern that has already started</li> <li>Build more complex patterns</li> <li>Make pattern using vegetables on skewers</li> <li>Make more complex patterns in a paper chain</li> </ul>
Addition & Subtraction	2.48b Exploring the total number of objects in groups by counting 'how many altogether' 2.50b Exploring early addition and subtraction through practical contexts	<ul style="list-style-type: none"> <li>Adding by counting on.</li> <li>Taking away by counting back.</li> </ul>	<ul style="list-style-type: none"> <li>Sing counting on and counting back songs</li> <li>Use soft toys to count up to 20 and back from 20</li> <li>Play on hopscotch grid, counting on and back from a given number</li> <li>Treasure hunt – give children a set number of objects, find more objects and work out total number</li> <li>Word problems – use a number line to work out the answers</li> <li>Play counting back board game</li> </ul>
Numbers to 20	2.42b Using numbers in everyday routines 2.43b Counting groups of objects beyond 10 in quantity	<ul style="list-style-type: none"> <li>Counting to 20.</li> </ul>	<ul style="list-style-type: none"> <li>Throw the ball to a partner, count your passes up to 20. Try again counting backwards from 20.</li> <li>Play Hide and Seek – count up to 20 or back from 20 before going to find the others</li> <li>Create a “tens frame” sticker chart to reward good effort. Each day count how many stickers they have got and work out how many more they need for a reward. Give a class reward when they get to 20.</li> </ul>
Number Patterns	2.51b Solving practical number problems involving halving, sharing and doubling	<ul style="list-style-type: none"> <li>Doubling.</li> <li>Halving and sharing.</li> <li>Odds and evens.</li> </ul>	<ul style="list-style-type: none"> <li>Jump along a number track shouting out double numbers to 5</li> <li>With a partner, build two towers using the same amount of blocks. Add them together to find the double.</li> <li>Paint spots onto butterflies wings to show doubles of number to 5</li> <li>Jump along a number track shouting out half of numbers up to 10</li> <li>Share a group of items equally between two people</li> <li>Set up a teddies bears picnic, share out food equally</li> <li>Jump along a number track shouting out odd or even for numbers to 10</li> <li>Sort a given number of objects into two groups to find out if it's odd or even</li> <li>Use pairs of socks to identify odd and even numbers</li> </ul>

Measure	<p>2.61b Comparing and ordering length and height</p> <p>2.62b Exploring how to measure length and height in practical contexts</p> <p>2.63b Comparing and ordering weight</p> <p>2.64b Exploring how to measure weight in practical contexts</p> <p>2.65b Comparing and ordering capacity</p> <p>2.66b Exploring how to measure capacity in practical contexts</p>	<p>Length, height and distance.</p> <p>Weight.</p> <p>Volume and capacity.</p>	<ul style="list-style-type: none"> <li>• Use balancing scales to explore and compare the weights of different objects</li> <li>• Role play balancing scales</li> <li>• Use scales to order 3 objects by weight</li> <li>• How many of one container will fill another?</li> <li>• Pour drinks for others using the language of capacity</li> <li>• Filling containers with dry ingredients using appropriate utensils</li> <li>• Build a tower, find an object that is the same height</li> <li>• Use a piece of string to measure your hand, compare lengths with friends and family</li> <li>• Children make caterpillars using play dough, put their caterpillars in length order</li> </ul>
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