



2 YEAR OLD PROVISION - LONG TERM OVERVIEW FOR MATHEMATICS



These statements show the typical level of development in Mathematics for the 2 year old children. The statements are benchmarked to enable teachers to assess the rate of learning and development and to plan next steps. They will also enable staff to track children's progress towards the end of year requirements. Shape, Space and Measure is included as children's development of space, measures and spatial awareness contributes significantly to mathematical development and learning. Throughout the year children will develop their learning through a mix of child-led and directed play activities.

Mathematics

Number and Numerical Patterns

During the 0-3 year old provision:

- I can notice changes in number of objects/images or sounds in groups of up to 3.
- I can develop an awareness of number names through my enjoyment of action rhymes and songs that relate to my experience of numbers.
- I have some understanding that things exist, even when out of sight.
- *Combine objects like stacking blocks and cups. Put objects inside others and take them out again.*
- *Take part in finger rhymes with numbers.*
- *React to changes of amount in a group of up to three items.*
- *Compare amounts, saying 'lots', 'more' or 'same'.*
- *Counting-like behaviour, such as making sounds, pointing or saying some numbers in sequence.*
- *Count in everyday contexts, sometimes skipping numbers - '1-2-3-5.'*
- *Notice patterns and arrange things in patterns.*

End of 0-3 year old provision:

- I know that things exist, even when out of sight.
- I am beginning to organise and categorise objects (e.g. putting all the teddy bears together or teddies and cars in separate piles).
- I can say some counting words randomly.
- I can select a small number of objects from a group when asked (e.g. 'please give me two').



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Mathematics

Shape, Space and Measure

During the 0-3 year old provision:

- I can recognise big things and small things in meaningful contexts.
- I can get to know and enjoy daily routines, such as getting-up time, mealtimes, nappy time and bedtime
- *Climb and squeezing selves into different types of spaces.*
- *Build with a range of resources.*
- *Complete inset puzzles.*
- *Compare sizes, weights etc. using gesture and language - 'bigger/little/smaller', 'high/low', 'tall', 'heavy'.*

End of 0-3 year old provision:

- I can attempt, sometimes successfully, to fit shapes into spaces on inset boards or jigsaw puzzles.
- I can use blocks to create my own simple structures and arrangements.
- I can fill and empty containers.
- I can associate a sequence of actions with daily routines.
- I am beginning to understand that things might happen 'now.'



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POSSIBLE TOPIC RELATED ACTIVITIES AND PLAY-BASED LEARNING TO DEVELOP MATHEMATICAL SKILLS

AUTUMN TERM	SPRING TERM	SUMMER TERM
AUT 1: IT'S GOOD TO BE ME	SPRING 1: WHAT SHALL I WEAR?	SUMMER 1: WHAT'S GROWING?
<p>Number rhymes and songs Counting fingers and body parts How many people live in your house? The Three Pigs – counting to 3/subitizing 3 Building houses with a range of resources. Comparing size – bigger, taller etc. Matching objects to people to see if there is enough. Autumn – collecting and sorting natural objects Counting leaves, conkers, acorns etc. Sharing conkers, subitizing, Comparing sizes of leaves/sticks etc. Making patterns using Autumn objects.</p>	<p>Number rhymes and songs – 5 little snowmen etc Counting fingers in gloves, buttons on snowman etc. Matching patterns on mittens/scarves. Explore sequencing actions – eg. Getting dressed. Prepositions – Polar Bear, Polar Bear where are you? Ice shapes – exploring different shapes through ice The Gingerbread Man – counting buttons, and using maths to bake gingerbread men using simple recipes Playdough – make a big/small gingerbread man. Chinese New Year – snakes/dragons – order by size Ordinal numbers – who came 1st, 2nd, 3rd in the race? Exploring filling and emptying containers using rice.</p>	<p>Number rhymes and songs – 5 little flowers etc. Jack and the Beanstalk – filling pots with beans. Counting numbered leaves as they jump/climb up the beanstalk. How many leaves are there? Comparing different lengths of plants/beanstalks. Sorting and counting seeds. Compare amounts of seeds/flowers – using the vocabulary of 'lots/more/the same' 'Ten Seeds' – use the story to practice counting. Exploring sequencing – how to grow a plant. Measuring using hands/feet. How tall are you? Comparing height with friends. Comparing shoe sizes.</p>
AUT 2: BLAST OFF!	SPRING 2: SPRINGTIME AT THE FARM/PETS	SUMMER 2: LET'S GO WILD
<p>Number rhymes and songs about space/rockets 5 Little Men in a flying saucer etc. Counting forwards and backwards. Making rockets – developing vocabulary of shape. Using 3D shapes/junk modelling to make rockets. Building with a range of resources – space craft/aliens Developing language of preposition – up,down, Aliens Love Underpants – looking at different patterns (spotty, stripy, etc.) Bonfire Night – counting fireworks Sequencing the day Christmas counting activities Matching/sorting shapes of presents Comparing size/weight of presents</p>	<p>Number rhymes and songs – 5 Little Ducks etc. Baa Baa Black sheep – counting 3 bags of wool. Exploring 2D shape using tractors – shape pictures Sorting and counting farm animals. Milking cows – filling bottles with 'milk' Feeding the animals – using scoops of corn to fill containers. Counting how many scoops as they feed the animals. How many eggs in the nest? Using egg boxes as 10 frames or for subitizing. Favourite Pet? - Making tally/charts of favourite pets. Pet/farm inset jigsaw puzzles.</p>	<p>Number rhymes and songs – 5 Little Monkeys etc. Sorting and counting animals in the jungle. Looking at pattern – stripes/spots Comparing size of animals. Classifying and sorting dinosaurs using different vocabulary. – big/small/ long/short Play 'dotty dinosaurs' – colour matching game. Find dinosaurs that are 'taller/shorter/the same' 'We're going on a dinosaur hunt' – simple prepositions (in, on, under) Explore sound patterns using 'jungle drums' Jungle animal inset jigsaw puzzles. Build jungle dens to hide in. Explore special awareness.</p>