



DARWEN ST JAMES' C OF E PRIMARY ACADEMY MATHS LONG TERM PLAN



	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
N U R S E R Y	<p>Uses objects for a purpose ...may line objects up ...or categorise objects or create their own patterns in heuristic play can classify real world objects (i.e. when looking at 2 pictures of houses- knows they are both houses) Develops an awareness of number names through an enjoyment of action songs and number rhymes. Matches objects to objects during play e.g. matching a small world cow to another cow. Uses 1-1 correspondence in their play e.g. putting a cup on each saucer</p> <p>Uses blocks to create simple arrangements and structures</p> <p>Begin to understand some positional language Use gestures or words to show emerging understanding of size/ measure attributes with single objects, i.e. pointing to items that are 'big' this is later extended to include; tall, full or heavy</p>		<p>Notice patterns and arrange things in patterns. Talk about and identify the patterns around them e.g. red and white spots on a t-shirt</p> <p>Can place objects that are alike together – e.g. supported by practitioner when tidying up – trains go with trains Can put objects together that have a given attribute i.e. these are all red Sorting into groups.</p> <p>Beginning to organise and categorise objects e.g. putting all the teddy bears and cars in separate piles.</p> <p>Can match objects into containers such as egg boxes create collections with lots of objects Say some number names randomly Matches objects to pictures</p> <p>Beginning to organise and categorise objects Notices simple shapes in pictures.</p> <p>Beginning to categorise objects according to shape or size</p> <p>Can demonstrate through their play objects that hold 'a lot' (volume and capacity) or are heavy, recognise length e.g. the adult is taller than them.</p>		<p>Can copy simple sound patterns e.g. stomp stomp, clap clap.</p> <p>Can match shapes onto shape boards</p> <p>Begin to describe some shape properties and differences</p> <p>Matches pictures to pictures Uses some language of quantities such as more and a lot Visually determine whether very small collections have the same amount ,or which has more Rote count from 1-5</p> <p>Uses number names randomly in play Use and understand 1-1 correspondence when counting and uses 1- 1 correspondence in their play e.g. putting a cup on each saucer Is curious about number</p> <p>Can recognise small amounts 1 mouth /2 eyes without counting (subitising)</p> <p>Shows an interest in shape and space by playing with shapes</p> <p>Discriminates between a circle and a square on a puzzle</p> <p>Begin to understand basic daily routine sequence,</p> <p>supported by adults.</p> <p>Encounter and compare size quantities in their play intuitively using familiar terminology i.e. assign labels Daddy, Mummy, Baby to represent size</p>	
P R E S C H O O L	<p>White Rose maths</p> <p>Counting 1: Hear and say number names</p> <p>Shape, space and measure 1: Explore and build with shapes and objects</p> <p>Patterns 1: Explore repeats</p> <p>Comparison 1: More than, fewer than, same</p> <p>Subitising 1: I see 1,2,3</p> <p>Counting 2: Begin to order number names</p> <p>Shape,space and measure 2: Explore position and space</p>	<p>White Rose Maths</p> <p>Patterns 2:Join in with repeats</p> <p>Comparison 2: Compare and sort collections</p> <p>Subitising 2: Show me 1,2,3</p> <p>Counting 3: Move and label 1,2,3</p> <p>Shape, space and measure 3: Explore position and routes</p> <p>Patterns 3: Explore patterns</p> <p>Comparison 3: Match , sort, compare</p> <p>Subitising 3: Talking about dots</p>	<p>White Rose Maths</p> <p>Counting 4: Take and give 1,2,3</p> <p>Shape, space and measure 4: Match ,talk, push and pull</p> <p>Pattern 4: Lead on own repeats</p> <p>Comparison 1: More than, fewer than, same</p> <p>Many and fewer</p> <p>Subitising 4: Make games and actions</p> <p>Counting 5: Show me 5</p>	<p>White Rose Maths</p> <p>Shape, space and measure 5: Start to puzzle</p> <p>Patterns 5: Making patterns together</p> <p>Comparison 2: Compare and sort collections</p> <p>Subitising 1: I see 1,2,3</p> <p>Counting 6: Stop at 1,2,3,4,5</p>	<p>White Rose Maths</p> <p>Shape, space and measure 1: Explore and build with shapes and objects</p> <p>Pattern 6: My own pattern</p> <p>Comparison 3: Match, sort, compare</p> <p>Subitising 2: Show me 1,2,3</p> <p>Counting 1: Hear and say number names</p> <p>Recognise numbers in the environment</p>	<p>White Rose Maths</p> <p>Shape, space and measure 2: Explore position and space</p> <p>Pattern 1: Explore repeats</p> <p>Comparison 1: More than, fewer than, same</p> <p>Subitising 3: Talk about dots</p> <p>Counting 2: Begin to order numbers and names</p> <p>Shape, space and measure 3: Explore position and measure</p>

‘LET US NOT LOVE WITH WORDS OR SPEECH ALONE BUT WITH ACTIONS AND TRUTH’ JOHN 3:18
NURTURING AMBITION THROUGH A LIVING FAITH



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MATHS LONG TERM PLAN

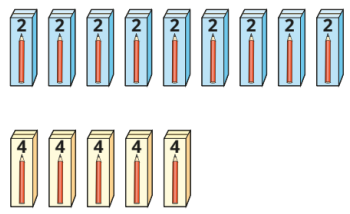
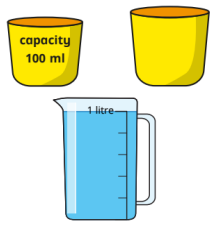

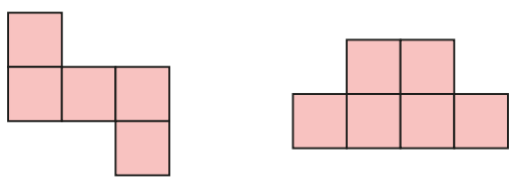

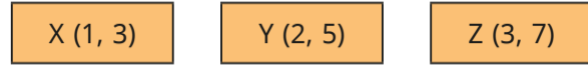
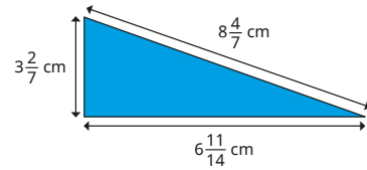
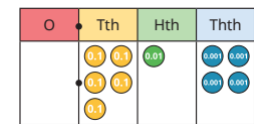



R E C E P T I O N	<p style="text-align: center;"><u>Number</u> Match, sort and compare It's Me 1,2,3 1,2,3,4,5</p> <p style="text-align: center;"><u>Numerical Patterns</u> Talk about measure and patterns Circles and triangles Shapes with 4 sides</p>	<p style="text-align: center;"><u>Number</u> Alive in 5 Growing 6,7,8 Building 9 and 10</p> <p style="text-align: center;"><u>Numerical Patterns</u> Measures and capacity Length, height and time Explore 3D shapes</p>	<p style="text-align: center;"><u>Number</u> To 20 and beyond How many now? Manipulate, compose and decompose Sharing and grouping Consolidation</p> <p style="text-align: center;"><u>Numerical Patterns</u> Visualise, build and map Make connections Consolidation</p>
Y E A R 1	<p style="text-align: center;">Place Value within 10 Addition and Subtraction within 10 Geometry - Shape Consolidation</p> 	<p style="text-align: center;">Place Value within 20 Addition and Subtraction within 20 Place Value within 50 Measurement - Length and Height Measurement - Mass and Volume</p> 	<p style="text-align: center;">Multiplication and Division Fractions Geometry - Position and Direction Place Value within 100 Measurement - Money Measurement - Time Consolidation</p> 
Y E A R 2	<p style="text-align: center;">Place Value Addition and Subtraction Geometry - Shape</p> 	<p style="text-align: center;">Measurement - Money Multiplication and Division Measurement - Length and Height Measurement - Mass, Capacity and Temperature</p> 	<p style="text-align: center;">Fractions Measurement - Time Statistics Geometry - Position and Direction Consolidation</p> 



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Y E A R 3	Place Value Addition and Subtraction Multiplication and Division A 		Multiplication and Division B Measurement - Length and Perimeter Fractions A Measurement - Mass and Capacity 		Fractions B Measurement - Money Measurement - Time Geometry - Shape Statistics Consolidation 	
Y E A R 4	Place Value Addition and Subtraction Measurement- Area Multiplication and Division A Consolidation 		Multiplication and Division B Measurement - Length and Perimeter Fractions A Decimals A 		Decimals B Measurement - Money Measurement - Time Consolidation Geometry - Shape Statistics Geometry - Position and Direction 	
Y E A R 5	Place Value Addition and Subtraction Multiplication and Division A Fractions A 		Multiplication and Division B Fractions B Decimals and Percentages Measurement - Length and Perimeter Statistics 		Geometry - Shape Geometry - Position and Direction Decimals Negative Numbers Converting Units Measurement - Volume 	

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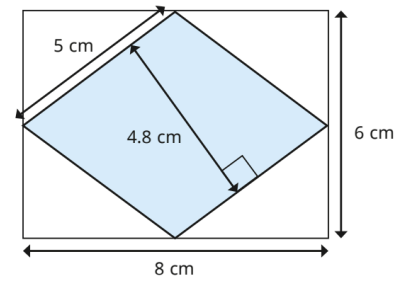
**Y
E
A
R
6**

Place Value
 Addition, Subtraction, Multiplication and Division
 Fractions A
 Fractions B
 Converting Units

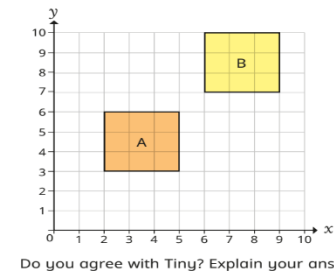
Dora: To divide by 8, I can divide by 2, divide by 2 again and divide by 2 again.

Tiny: To divide by 6, I can divide by 2, divide by 2 again and divide by 2 again.

Ratio
 Algebra
 Decimals
 Fractions, Decimals, Percentages
 Area, Perimeter, Volume
 Statistics



Geometry - Shape
 Geometry - Position and Direction
 Projects, Consolidation and Problem Solving



The translation from A to B is 1 square right and 1 square up.