



Robin Class - Maths Medium Term Planning



AUTUMN TWO

Week Commencing:	<u>White Rose Phase</u>		
EVERY WEEK	<p>Throughout the classroom environment, children are given opportunities to practice, embed and deepen their mathematical understanding as part of daily practice. Mathematical resources and challenges are constant within continuous provision, seeking to promote a love of mathematics and a genuine interest in mathematical exploration.</p> <p>We follow the White Rose Maths Scheme of learning, which divides learning into areas of focus in order for learning to delve deeply into specific skills, with clear progression throughout the year. In accordance with this, there are constant opportunities to gain an understanding of: the one-one principle, the stable-order principle, the cardinal principle, the abstraction principle and the order-irrelevance principle. The BBC Series 'Number Blocks' is used to support early number understanding; it is a fun favourite of the children!</p>		
	<u>WRM Focus:</u>	<u>Teacher Directed Input Ideas:</u>	<u>Continuous Provision Ideas:</u>
	It's Me 1 2 3!		
Week 1 02.11.2020 It's Me 1 2 3!	<ul style="list-style-type: none"> Recognise 1 Identify the quantity 1 (the oneness of 1) Subitise 1. Be able to hold up correct number of fingers without counting. 1 and not 1/equal or not equal Recognise a 1p coin Find 1 on the clock Introduce circle (1 side) Introduce 0 less than 1 	<ul style="list-style-type: none"> Numberblocks- S1 Episode 1 (One) and NCETM ppt. Numberblocks- S3 Episode 5 (Zero) Different images and representations of 1- draw 1 in the air, do 1 clap, 1 hop, 1 head tap etc. Draw an alien with 1 eye, 1 leg, 1 ear, 1 hat etc. Introduce 1p coin- Give out a selection of coins to compare or different quantities of 1p coins. Have you got an equal amount or more or fewer? Are your coins the same? Introduce a circle (oval?). It has one side. Show different circles- are they still circles Introduce 0 	<ul style="list-style-type: none"> Start Number of the week display Number 1 colouring sheets Design an alien with 1 eye, 1 leg, 1 ear in provision Circles activity/circle printing 1p coins to play with/1p coin rubbing
EMERGENCY HOME LEARNING LINKS	<p>1. Count one and two objects reliably https://classroom.thenationalacademy/lessons/count-one-and-two-objects-reliably-71h3jc</p> <p>Robin Class will also be provided with a 'Maths Learning Grid', which will include activity ideas and links to online games and resources to be used throughout the week to support learning.</p>		

<p>Week 2 09.11.2020 It's Me 1 2 3!</p>	<ul style="list-style-type: none"> • Recognise 2 • Identify the quantity 2 (the twoness of 2) • Know that 2 is 1 more than 1 • Know that 1 + 1 is 2 (double 1) • Know that 2-1 is 1 • Recognise a 2p coin - understand it is equivalent to 2 x 1ps • Find 2 on the clock • Be able to continue 2 step repeating patterns • Subitise 2. Be able to hold up correct number of fingers without counting. • 2 and not 2- equal to 2, more than 2 or fewer than 2 • Introduce addition symbol 	<ul style="list-style-type: none"> • Numberblocks- SI Episodes 2 (Another One) and NCETM ppt • Numberblocks- SI Episodes 3 (Two) and NCETM ppt • Different images and representations of 2- draw 2 in the air, do 2 claps, 2 hops, 2 head taps etc. • 2 Little Dickie Birds • 2 step patterns- clap your hands and wiggle your fingers, red lorry, yellow lorry, AB action patterns (knees, clap, knees, clap) • Make a deliberate mistake with pattern- what's wrong? How can we fix it? • Introduce addition symbol and body sign $1 + 1 = 2$, double 1 equals 2 	<ul style="list-style-type: none"> • Change number of the week display- 2 eyes. 2 legs, bicycle, • 2 colouring in • Equal/not equal/more than/fewer than • Intro 2p and compare to 1p/coin rubbing- add dot stickers- 1 for 1p coin and 2 for 2p coin • Ways to represent pattern in the environment- blocks, beads, colouring, drawing, snack kebabs, numicon, loose parts, leaves, sticks • Patterns with instruments
<p>EMERGENCY HOME LEARNING LINKS</p>	<p>Robin Class will be provided with a 'Maths Learning Grid', which will include activity ideas and links to online games and resources to be used throughout the week to support learning.</p>		

<p>Week 3 16.11.2020 It's Me 1 2 3!</p>	<ul style="list-style-type: none"> Recognise 3 Identify the quantity 3 (the threeness of 3) Know that 3 is 1 more than 2, that 3 is 2 more than 1, that 1 + 2 (or 2+1) is 3, that 3-1 is 2 and 3-2 is 1 Find 3 on the clock Understand number conservation - However you arrange the three objects, there are still 3 Introduce different triangles with 3 sides. Subitise 3. Count to 3 - forwards and backwards Compare numbers 1, 2 and 3 - more than/equal to/fewer than' Order numbers 1 to 3 Count out 3 objects from a larger set. 	<ul style="list-style-type: none"> Numberblocks- SI Episodes 4 (Three) and NCETM ppt Numberblocks- SI Episodes 5 (One, Two, Three!) and NCETM ppt Different images and representations of 3- draw 3 in the air, do 3 claps, 3 hops, 3 head taps etc. Equal to three/more than three/fewer than three The Three Little Pigs Three Blind Mice Introduce and explore triangles Rockets- count to three and back again 3 step patterns There isn't a 3p coin- how could we make 3p? 	<ul style="list-style-type: none"> Change number of the week display- tricycle, triangle 3 colouring in Triangle display/investigation Add 3 of each item to house Junk model rockets Investigate making 3p 3 step patterns in the environment
<p>EMERGENCY HOME LEARNING LINKS</p>	<ol style="list-style-type: none"> Count one, two and three objects reliably https://classroom.thenational.academy/lessons/count-one-two-and-three-objects-reliably-6wu3ac Count one, two and three reliably using abstract materials https://classroom.thenational.academy/lessons/count-one-two-and-three-reliably-using-abstract-materials-6ru38c To estimate a number of objects and check by counting: Within three https://classroom.thenational.academy/lessons/to-estimate-a-number-of-objects-and-check-by-counting-within-three-75j36e Count one, two, and three objects reliably and create representations for each number https://classroom.thenational.academy/lessons/count-one-two-and-three-objects-reliably-and-create-representations-for-each-number-69j66r Consolidation of pattern and early number https://classroom.thenational.academy/lessons/consolidation-of-pattern-and-early-number-69k64t 		

Light and Dark

Week 4
23.11.2020
Light and Dark

- Recognise 4
- Count out 4 objects from a larger group and recognize the structure of 4 as a square number and within a five frame Use different arrangements of 4 to explore number conservation.
- Recognise 4 items without counting (subitise). Be able to hold up correct number of fingers without counting.
- Count to 4 (forwards and backwards)
- Sequence numbers to 4
- Know that 4 is one more than 3
- Partition 4 into 3s, 2s and 1s and use the terms add and takeaway to describe the combinations. Double 2 is 4.
- Find 4 on the clock
- Introduce a range of quadrilaterals and name the most common (square and rectangle)

- Numberblocks- S1 Episode 6 (Four) and NCETM ppt
- Numberblocks- S1 Episode 8 (Three Little Pigs) and NCETM ppt
- Different images and representations of 4- draw 4 in the air, do 4 claps, 4 hops, 4 head taps etc. Look at formation of 4 in a line and 4 as a dice formation
- Equal to four/more than four/fewer than four
- Sort 2 legs or 4 legs images- The Gingerbread Man
- How can we make 4p?

- Change number of the week display
- 4 colouring in
- Jez Alborough 'Washing Line'- have a washing line to peg 4 items on
- 2 legs or 4 legs animal sorting (Gingerbread Man)
- 2,3,4 wheel vehicle sorting
- Label areas- 2 people, 3 people, 4 people can play here
- Investigate squares and rectangles

EMERGENCY HOME LEARNING LINKS

1. Count four objects reliably
<https://classroom.thenationalacademy/lessons/count-four-objects-reliably-75jk4r>
2. Develop an understanding about the number four
<https://classroom.thenationalacademy/lessons/develop-an-understanding-about-the-number-four-cmu3cr>

Robin Class will be provided with a 'Maths Learning Grid', which will include activity ideas and links to online games and resources to be used throughout the week to support learning.

Week 5
30.11.2020
Light and Dark

- Recognise 5
- Count out 5 objects from a larger group and look at ways of arranging (including using a dice arrangement and a 5 frame).
- Subitise to 5 (include instant recognition of number of fingers held up (to 5). Be able to hold up correct number of fingers without counting.
- Count forwards and backwards to 5 (encourage children to line up to count)
- Sequence numbers to 5. Identify missing numbers to 5.
- Know that 5 is one more than 4
- Find 5 on the clock
- Introduce a pentagon

- Numberblocks- S1 Episodes 7 (Five) and NCETM ppt
- Numberblocks- S1 Episodes 9 (Off We Go!) and NCETM ppt
- Different images and representations of 5- draw 5 in the air, do 5 claps, 5 hops, 5 head taps etc. Look at formation of 5 in a line and 5 as a dice formation
- Equal to five/more than five/fewer than five
- Sort different images of 1-5 into the correct box- dice images, the numeral, cube towers, numberblock characters etc.
- It's Whizzy Whizz's birthday and he's 5!

- Change number of the week display
- 5 colouring in
- Equal/not equal/more than/fewer than
- Make birthday cards for 5
- 5 songs
- 5 aliens and planets to visit
- 5 finger puppets
- 5 candles in playdough
- Set home corner up for a birthday party
- 1-5 buckets or boxes- items to sort into them
- 5 ducks/5 speckled frogs etc.

**EMERGENCY
HOME LEARNING
LINKS**

1. Count five objects reliably
<https://classroom.thenational.academy/lessons/count-five-objects-reliably-6xj6at>

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<p>Week 6 07.12.2020 Light and Dark</p>	<ul style="list-style-type: none"> • Say 1 more or 1 less to 5 without counting. • Relate taking 1 away to counting backwards • Introduce subtraction symbol 	<ul style="list-style-type: none"> • Bus ride/sleigh ride- 1 more/1 less • Staircases • My grandma went to the market • Lots of 5 songs- currant buns, little ducks etc. • Musical chairs • Intro one less, my number, one more display • Introduce subtraction symbol and body sign 	<ul style="list-style-type: none"> • Intro one less, my number, one more display • Sleigh ride/bus in environment • Numicon staircase pattern print
<p>EMERGENCY HOME LEARNING LINKS</p>	<p>Robin Class will be provided with a 'Maths Learning Grid', which will include activity ideas and links to online games and resources to be used throughout the week to support learning.</p>		

<p>Week 7 14.12.2020 Consolidation</p>	<p><i>This week will be based on areas of learning, as identified by the class teacher, which could benefit from consolidation.</i></p>
<p>EMERGENCY HOME LEARNING LINKS</p>	<p><i>Robin Class will be provided with a 'Maths Learning Grid', which will include activity ideas and links to online games and resources to be used throughout the week to support learning.</i></p>