



Churchfields Infants' School: Year Two curriculum information

Autumn Term 1: 'Are We Nearly There Yet?'

MATHS



Outlined below is a summary of the skills children will work on during their half term in Year Two. Children take part in regular Maths sessions throughout the week and focus on building skills before applying them to a range of problems and different contexts. We develop children so they are fluent mathematicians who can reason about number and all other elements of the Maths curriculum. Children will learn about Number (number and place value, addition and subtraction, multiplication and division, fractions), Measurement, Geometry and Statistics across the year and develop their skills accordingly. Maths is also taught in a cross-curricular way as Maths skills are used and developed in a range of other subjects e.g. Science.

Number	Measurement	Geometry	Statistics	How can you help at home?
<ul style="list-style-type: none">- using the $<$ and $>$ symbols- partitioning a number into tens and ones- understanding the value of each digit in a 2-digit number (e.g. in 24, the 2 is worth 20 and the 4 is worth 4 ones)- counting Dienes apparatus in 10s and 1s- using part-whole models to model partitioning- using information about partitioning to order numbers	<ul style="list-style-type: none">- developing language used when measuring length (e.g. length, height, width, how tall?, depth)- using 10p and 1p coins to apply understanding of place value <p>Revision</p> <ul style="list-style-type: none">- <i>measuring lines accurately using a ruler</i>- <i>value of coins</i>	<ul style="list-style-type: none">- labelling 2D shapes as regular or irregular depending on whether or not the sides are equal- developing language used to describe properties of shapes- sorting shapes using a Venn diagram- sorting shapes using a Carroll diagram <p>Revision</p> <ul style="list-style-type: none">- <i>naming 2D shapes</i>- <i>counting sides and corners on 2D shapes</i>- <i>discussing simple properties of 2D shapes</i>	<ul style="list-style-type: none">- simple graph work in Science	<ul style="list-style-type: none">- play board games with your child whenever you can- try teaching your child some strategy games, such as Connect 4 and noughts and crosses- look for numbers everywhere you are and discuss their size, the value of the digits and the perhaps order some by their size (or in other ways you may choose!)- use coins, Lego pieces (10 piled together and single pieces) or straws

<ul style="list-style-type: none"> - counting in tens from any number, forwards and backwards - adding 2 2-digit numbers using Dienes and by partitioning - addition on a number line <p><u>Specific to reasoning</u></p> <ul style="list-style-type: none"> - explaining why opinions about numbers partitioned are correct or incorrect - reasoning about possible answers to a part-whole model - Always, sometimes, never scenarios - differentiated problem solving selected by children - 'Card Sharp' investigation <p>Revision</p> <ul style="list-style-type: none"> - <i>number bonds to 10</i> - <i>adding a 2-digit number and ones</i> - <i>subtracting ones from a 2-digit number</i> - <i>adding 2 tens numbers together speedily</i> - <i>writing numbers in words</i> 				<p>(bundles of 10 and single straws) to represent 2-digit numbers</p> <ul style="list-style-type: none"> - ask your child some addition questions and let them choose how to solve it (they may draw dienes or use equipment, partition the numbers or use a number line) - practise counting in 10s from ANY number (17, 27, 37...) - discuss and order lengths of objects you may see or have at home. If you have a ruler, challenge your child to find something longer/shorter/the same length as a certain value of cm (remember: when we measure length horizontally we use the terms longer and shorter, and when measuring vertically we use the terms taller and shorter) - name shapes you see in the environment and discuss their properties
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