

Moorgate Primary Academy

Year 1 Maths Long Term Overview



YEAR 1 – AUTUMN				
<u>2D and 3D shapes</u> <ul style="list-style-type: none"> - Name common 3D shapes (cube, cuboid, sphere, pyramid) - Name and describe 3D shapes in different arrangements - Name a circle, rectangle, triangle and square 	<u>Number and Place Value</u> <ul style="list-style-type: none"> - Recognise, represent and manipulate numbers to 10 - Sort and group objects using different criteria - Count groups of objects up to 10 - Recognise and count different representations of numbers to 10 - Use a ten frame to help count and reason - Understand the meaning of the word 'digit' - Know that each digit has a name - Find one more and one less of a number within 10 - Compare and order numbers to 10 using pictorial representations to support. 	<u>Part-whole within 10</u> <ul style="list-style-type: none"> - See that a whole group can be made up of two or more parts - Know that a number can be partitioned into two parts - Represent a part-whole model as an addition number sentence - Write a 'fact family' for a part-whole model. - Understand the term 'bond' and begin to write down some number bonds to 10 	<u>Addition</u> <ul style="list-style-type: none"> - Understand how the part-whole model represents addition - Find a total by counting on from one amount rather than starting at 0 - Solve word and picture problems involving additions to 10 - Solve missing number problems within 10 	<u>Subtraction</u> <ul style="list-style-type: none"> - Subtract using a crossing out strategy - Subtract using part-whole models and ten frames to support - Use the – symbol and understand this means the same as subtraction. - Solve missing number problems that involve subtractions within 10 - Use the = sign in different parts of the number sentence - Explain the meaning of each part of the number sentence in both an addition and a subtraction. - Use a number line to add and subtract within 10 - Solve a range of addition and subtraction questions including 'finding the difference'

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Year 1 - Spring				
Numbers to 20 <ul style="list-style-type: none"> - Count to 20 - Represent numbers 11-20 using physical equipment and on a number line - Find one more and one less within 20 - Estimate within 20 - Compare numbers within 20 - Use the < and > sign to compare numbers within 20 	Addition and Subtraction within 20 <ul style="list-style-type: none"> - Count on from a number within 20. Children do not need to go over 20 at this point. - Add a 2-digit number to - Add 1 digit number by adding the ones - Find number bonds to 20. Link to number bonds to 10 - Understanding the meaning of double. - Use near double additions eg, use 5 + 5 to work out 5 + 6. - Subtract by counting back - Solve number sentences that have missing ones - Count back across 10 to work out answers to subtraction problems. - Answer 'how many more' and 'how many fewer' - Solve missing number questions within 20 	Numbers to 50 <ul style="list-style-type: none"> - Recognise and count numbers to 50 - Count on or backwards from any number within 50 - Count in 10s up to 50 - Make groups of 10 - Numbers up to 50 are made up of some tens and some ones. - Count groups of objects in 10s and 1s where the 10s cannot always be seen. - Represent numbers to 50 using different representations. - Find one more or less of any number to 50 	Length and height <ul style="list-style-type: none"> - Compare lengths and heights of objects and make accurate comparisons - Measure objects using non-standard units - Use a ruler correctly to measure length in centimetres accurately - Link their knowledge of length and height with their addition and subtraction knowledge in order to solve problems. 	Mass and Capacity <ul style="list-style-type: none"> - Compare the mass of familiar objects - Weigh objects using non-standard measures - Compare and order objects by mass. - Compare objects by capacity - Estimate and measure the capacity of containers using non-standard units. - Compare and order objects according to their capacity - Solve word problems involving mass and capacity

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Year 1 - Summer					
<u>Multiplication and division</u>	<u>Fractions</u>	<u>Position and Direction</u>	<u>Count from 50 to 100</u>	<u>Money</u>	<u>Time</u>
<ul style="list-style-type: none"> - Count on and back in 2s - Count on and back in 10s - Count on and back in 5s up to 50 - Add equal groups together to find a total - Understand and create simple arrays - Learn the meaning of the word 'double' - 	<ul style="list-style-type: none"> - Recognise what a half is and apply this knowledge to halving shapes and objects - Find half of groups of objects, using knowledge of sharing between two. - Recognise what a quarter is. They will apply their knowledge by finding quarters of shapes. - Find a quarter of a small quantity using equal sharing. 	<ul style="list-style-type: none"> - Describe turns as quarter, three-quarter or whole turns - Use the words left and right. They know which direction is left and which is right. - Follow directions to reach a given goal. - Describe the position of an object based on its relation to other objects. - Describe the order 	<ul style="list-style-type: none"> -Count up to 100 using number lines and 100 squares to support understanding. -Count on from 10s, from 0 to 100. -Count numbers in 10s and 1s -Place missing numbers on a number line to 100 -Find one more and one less than any number between 1 and 100. -Compare numbers up to 100 	<ul style="list-style-type: none"> -Recognise coins -Compare the value of coins and bank notes -Find and compare the total of small sets of coins. 	<ul style="list-style-type: none"> -Use a range of language to sequence events in chronological order. -Recognise and read the days of the week. -Know the correct order of the days of the week. -Be able to say what day it will be tomorrow and what day it is today. -Read and record information relating to days and dates - Tell the time to the nearest hour and half hour using an analogue clock (o'clock)

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