



Subject Theme Overview

Year 5

Charlton Kings Junior School

Subject	Maths	Term	Summer
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Area	What I should already be able to do	What I will be able to do by the end of term
Checking, Approximating and Estimating	<ul style="list-style-type: none"> Round any number to the nearest 10, 100 or 1000 Round decimals with one decimal place to the nearest whole number Estimate and use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> Round any number up to 1 million to the nearest 10, 100, 1000, 10000 and 100000 Round decimals with two decimal places to the nearest whole number and to one decimal place Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
Calculating Space	<ul style="list-style-type: none"> Find the area of rectilinear shapes by counting squares Estimate, measure, compare, add and subtract different measures, including volume/capacity (l/ml) 	<ul style="list-style-type: none"> Calculate and compare the area of rectangles (including squares), including using standard units (cm² and m²) Estimate the area of irregular shapes Estimate volume (e.g. using 1 cm³ blocks) and capacity [e.g. using water]
Counting and Comparing 2	<ul style="list-style-type: none"> Find 10, 100 or 1000 more or less than a given number. Count in multiples of 10, 100 and 1000 	<ul style="list-style-type: none"> Count forwards or backwards in steps of powers of 10 for any given number up to 1 million
Presentation of Data	<ul style="list-style-type: none"> Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs 	<ul style="list-style-type: none"> Solve comparison, sum and difference problems using information presented in a line graph
Exploring Time	<ul style="list-style-type: none"> Read, write and convert time between analogue and digital 12- and 24-hour clocks Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days 	<ul style="list-style-type: none"> Solve problems involving converting between units of time Complete, read and interpret information in tables, including timetables
Mathematical Movement	<ul style="list-style-type: none"> Describe movements between positions as translations of a given unit to the left/right and up/down 	<ul style="list-style-type: none"> Identify, describe and represent the position of a shape following a reflection or translation, and know that the shape has not changed

What I must know
<p>Addition facts Within 10 and 20 e.g. 7 + 8 = 15</p>
<p>Subtraction facts Within 10 and 20 e.g. 15 - 7 = 8</p>
<p>Multiplication facts All times tables up to 12 x 12</p>
<p>Division facts All times tables</p>
<p>Time <i>Read the time in words</i> to the minute from an analogue or digital clock. <i>Show time to the minute</i> on all types of clock. <i>Convert time</i> shown on one type of clock to another, and between 12 hour and 24 hour digital clocks.</p>

Key vocabulary
<p>Round: give to a required level of accuracy e.g. 154 rounded to the nearest 10 is 150; rounded to the nearest 100 is 200.</p>
<p>Inverse operation: an operation that reverses another e.g. subtraction is the inverse of addition; division is the inverse of multiplication.</p>
<p>Area: a measure of the space inside a 2D shape, usually in square units.</p>
<p>Perimeter: a measure of the distance around the outside of a 2D shape.</p>
<p>Volume: a measure of the space inside a 3d shape</p>

Models and images that will be used to support my understanding
<p>Area</p> <p>Area = length x breadth</p>
<p>Line Graph</p>
<p>Reflection</p>
<p>Translation</p>

