## YEAR 2022-23 Year 6 Objective Map - New Curriculum

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	Autumn	Autumn	Spring	Spring	Summer	Summer	Low Ach.	High Ach
Numbers and Place Value	Ť						_	_
read, write, order and compare numbers up to								
10 000 000 and determine the value of each digit								
round any whole number to a required degree of accuracy								
use negative numbers in context, and calculate intervals across zero								
solve number and practical problems that involve all of								
the above.								
Fractions and Decimals and Percentages								
use common factors to simplify fractions; use common								
multiples to express fractions in the same denomination								
compare and order fractions, including fractions > 1								
add and subtract fractions with different denominators								
and mixed numbers, using the concept of equivalent								
fractions								
multiply simple pairs of proper fractions, writing the								
answer in its simplest form								
divide proper fractions by whole numbers								
associate a fraction with division and calculate decimal								
fraction equivalents [for example, 0.375] for a simple								
fraction identify the value of each digit in numbers given to three								
decimal places and multiply and divide numbers by 10, 100								
and 1000 giving answers up to three decimal places								
multiply one-digit numbers with up to two decimal places								
by whole numbers								
use written division methods in cases where the answer								
has up to two decimal places								
solve problems which require answers to be rounded to								
specified degrees of accuracy recall and use equivalences between simple fractions,								
decimals and percentages, including in different								
contexts.								
Ratio and proportion								
solve problems involving the relative sizes of two								
quantities where missing values can be found by using								
integer multiplication and division facts								
solve problems involving the calculation of percentages								
[for example, of measures, and such as 15% of 360] and								
the use of percentages for comparison								
solve problems involving similar shapes where the scale								
factor is known or can be found solve problems involving unequal sharing and grouping								
using knowledge of fractions and multiples.								
Algebra								
use simple formulae								
generate and describe linear number sequences								
express missing number problems algebraically								
find pairs of numbers that satisfy an equation with two								
unknowns								
enumerate possibilities of combinations of two variables.								
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perform mental calculations, including with mixed								
operations and large numbers								
identify common factors, common multiples and prime								
numbers								
use their knowledge of the order of operations to carry								
out calculations involving the four operations								
solve addition and subtraction multi-step problems in								
contexts, deciding which operations and methods to use								
and why								
solve problems involving addition, subtraction,								
multiplication and division								
use estimation to check answers to calculations and								
determine, in the context of a problem, an appropriate								
degree of accuracy.								
Geometry								
draw 2-D shapes using given dimensions and angles								
recognise, describe and build simple 3-D shapes,								
including making nets								
compare and classify geometric shapes based on their								
properties and sizes and find unknown angles in any								
triangles, quadrilaterals, and regular polygons								
illustrate and name parts of circles, including radius,								
diameter and circumference and know that the diameter								
is twice the radius								
recognise angles where they meet at a point, are on a								
straight line, or are vertically opposite, and find missing								
angles.								
describe positions on the full coordinate grid (all four								
quadrants) draw and translate simple shapes on the coordinate								
plane, and reflect them in the axes.								
Measurement								
solve problems involving the calculation and conversion of								
units of measure, using decimal notation up to three								
decimal places where appropriate								
use, read, write and convert between standard units,								
converting measurements of length, mass, volume and								
time from a smaller unit of measure to a larger unit, and								
vice versa, using decimal notation to up to three decimal								
places								
convert between miles and kilometres								
recognise that shapes with the same areas can have								
different perimeters and vice versa								
recognise when it is possible to use formulae for area								
and volume of shapes								
calculate the area of parallelograms and triangles								
calculate, estimate and compare volume of cubes and								
cuboids using standard units, including cubic centimetres								
(cm3) and cubic metres (m3), and extending to other								
units [for example, mm3 and km3].								
Statistics								
interpret and construct pie charts and line graphs and								
use these to solve problems								
calculate and interpret the mean as an average.								
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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Low Ach.	High Ach.
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Multiplication, Division, Addition and Subtraction.					
multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long					
multiplication					
divide numbers up to 4 digits by a two-digit whole					
number using the formal written method of long division,					
and interpret remainders as whole number remainders,					
fractions, or by rounding, as appropriate for the context					
divide numbers up to 4 digits by a two-digit number using					
the formal written method of short division where					
appropriate, interpreting remainders according to the					
context	<u> </u>				
solve addition and subtraction multi-step problems in					
contexts, deciding which operations and methods to use					
and why.					

Taught but not secure. Will need to revisit.

Taught and mostly secure. Some reinforcement needed.

Taught and secure. Need to be further challenged.