2022-23 Year 4 Objective Map - New Curriculum

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Low Ach.	High Ach.
Numbers and the Number System								
count in multiples of 6, 7, 9, 25 and 1000								
find 1000 more or less than a given number								
count backwards through zero to include negative numbers								
recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)								
order and compare numbers beyond 1000 [] identify, represent and estimate numbers using different representations								
round any number to the nearest 10, 100 or 1000								
solve number and practical problems that involve all of the above and with increasingly large positive numbers								
read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.								
Fractions and Decimals								
recognise and show, using diagrams, families of common equivalent fractions								
count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.								
solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number								
add and subtract fractions with the same denominator								
recognise and write decimal equivalents of any number of tenths or hundredths								
recognise and write decimal equivalents								
find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths								
round decimals with one decimal place to the nearest whole number								
compare numbers with the same number of decimal places up to two decimal places								
solve simple measure and money problems involving fractions and decimals to two decimal places.								
Addition and Subtraction								
add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate								
estimate and use inverse operations to check answers to a calculation								
solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.								

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Multiplication and Division								
recall multiplication and division facts for multiplication tables up to 12 × 12								
multiply two-digit and three-digit numbers by a one-digit number using formal written layout								
solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.								
use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers								
recognise and use factor pairs and commutatively in mental calculations								
Geometry								
compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes								
identify acute and obtuse angles and compare and order angles up to two right angles by size								
identify lines of symmetry in 2-D shapes presented in different orientations								
complete a simple symmetric figure with respect to a specific line of symmetry.								
Position and Direction								
describe positions on a 2-D grid as coordinates in the first quadrant								
describe movements between positions as translations of a given unit to the left/right and up/down								
plot specified points and draw sides to complete a given polygon.								
Measurement								
Convert between different units of measure [for example, kilometre to metre; hour to minute]								
measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres								
find the area of rectilinear shapes by counting squares								
estimate, compare and calculate different measures, including money in pounds and pence								
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.								
Statistics								
interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.								
solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.								

Taught but not secure. \	Will	need	to	revisit
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Taught and mostly secure. Some reinforcement needed.

Taught and secure. Need to be further challenged.