## Mathematics long term plan - Year 3

Key Targets are highlighted in red - these targets should be delivered first within each unit of work and children should not progress beyond these targets within each unit of work until they are secure. If children do not secure key targets within a unit of work, they should progress onto the next unit of work with the rest of the class but these key targets should be revisited during consolidation weeks and/or during the next academic year (e.g. before progressing onto key targets for multiplication in Year 3, unsecured key targets for multiplication from the Year 2 curriculum should be secured first when a child progresses into Year 3).
 dedicated to each learning objective with the maths coordinator/SLT members, if needed.


 with maths coordinator/SLT members; however, all key targets must have their own dedicated lessons for delivery.




 undelivered if it is not appropriate for that child to progress onto that target).


 year group does this well.
 adapt the overviews accordingly depending on the length of each term and discuss and agree this with the maths coordinator or SLT members if needed.

 previous learning
 access maths lessons being delivered in the following academic year.

## Year 3: Autumn Term

## Weeks 1 \& 2 <br> Number - place value

## -Read and write numbers up

 to 1000 in numerals and in words.-Recognise the place value of each digit in a three digit number (hundreds, tens, ones).

Compare and order numbers up to 1000
-Count from 0 in multiples of 50 and 100
-Find 10 or 100 more or less than a given number;
-Identify, represent and estimate numbers using different representations.
-Solve number problems and practical problems involving these ideas.

Weeks 3, 4, 5 \& 6
Number - addition, subtraction,
-Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.
-Estimate the answer to a calculation and use inverse operations to check answers.
-Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.
-Add and subtract amounts of money to give change, using both $£$ and $p$ in practical contexts.
-Add and subtract numbers mentally, including a 3 -digit number and ones; a 3-digit number and tens; a 3-digit number and hundreds.

## Weeks 7, 8, 9 \& 10 <br> Number - multiplication and division

## -Calculate mathematical statements for multiplication and

 division within the multiplication tables and write them using the multiplication (x), division ( $\div$ ) and equals ( $=$ ) signs.-Recall and use multiplication and division facts for the 3,4 and 8 multiplication tables.
-Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
-Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.

## Weeks 11 \& 12 Measurement length and perimeter

-Continue to measure using the appropriate tools and units $(\mathrm{m} / \mathrm{cm} / \mathrm{mm})$., progressing to using a wider range of measures, including comparing and using mixed and simple equivalents of mixed units.
-Measure, compare, add and subtract lengths ( $\mathrm{m} / \mathrm{cm} / \mathrm{mm}$ ).
-Measure the perimeter of simple 2 D shapes.
-Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

## Weeks 13 \& 14 <br> Consolidation weeks

Based on knowledge of their pupils and awareness of misconceptions, class teachers to decide which targets should be re-capped and consolidated during these weeks.

Key Targets should be prioritised during consolidation weeks.

Assessment week will also take place during week 13.

## Year 3: Spring Term

## Weeks 1, 2 \& 3

## Number - multiplication and division

--Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.
-Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
-Solve problems, including missing number problems involving multiplication and division, including positive integer scaling problems and correspondence problems in which $n$ objects are connected to $m$ objectives.

## Weeks 4, 5 \& 6

## Measurement - time

-Know the number of seconds in a minute and the number of days in each month, year and leap year.
-Tell and write the time from an analogue clock, including using Roman numerals and 12 -hour and 24hour clocks.
-Estimate and read time with increasing accuracy to the nearest minute.
-Record and compare time in terms of seconds, minutes and hours.
-Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.
-Compare durations of events (for example to calculate the time taken by particular events or tasks).

## Weeks 7, 8, 9 \& 10

## Fractions

-Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
-Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.
-Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10
-Count up and down in tenths.

Weeks 11 \& 12 Consolidation weeks

Based on knowledge of their pupils and awareness of misconceptions, class teachers to decide which targets should be re-capped and consolidated during these weeks.

Key Targets should be prioritised during consolidation weeks.

Assessment week will also take place during week 11.

## Year 3: Summer Term



