## Mathematics long term plan - Year 2

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 addition in Year 2, unsecured key targets for addition from the Year 1 curriculum should be secured first when a child progresses into Year 2).
 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.




 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 2: Autumn Term

## Weeks 1 \& 2 Number - place value

-Read and write numbers to t least 100 in numerals and words.
-Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward.
-Recognise the place value of each digit in a two digit number (tens, ones)
-Compare and order numbers from 0 up to 100 use and = signs.
-Identify, represent and estimate numbers to 100 using different representations including the number line.
-Use place value and number facts to solve problems

Weeks 3, 4, 5 \& 6 Number - addition, subtraction,
-Add and subtract numbers using concrete objects, pictoria representations, and mentally, including: a 2-digit number and ones; a 2-digit number and tens; two 2-digit numbers; adding three 1 -digit numbers.

Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 .
-Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.
-Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.
-Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

## Weeks 7 \& 8 <br> Measurement length and mass

Choose and use appropriate standard units to estimate and measure length/height in any direction $(\mathrm{m} / \mathrm{cm})$ and mass ( $\mathrm{kg} / \mathrm{g}$ ) to the nearest appropriate unit, using rulers and scales.
-Compare and order length and mass and record the results using >, < and =.

Weeks 9, 10, 11 \& 12
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 ( $=$ ) sign.
-Recall and use multiplication and division facts for the 2,5 and 10 times tables, including recognising odd and even numbers.
-Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.
-Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.

Weeks 13 \& 14
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 2: Spring Term



## Year 2: Summer Term

Weeks 1 \& 2 Measurement time in an hour and the number of hours in a day.
-Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
-Compare and sequence intervals of time.

## Weeks 3, 4 \& 5

Pre-SATs 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.

It is suggested that addition and subtraction targets are consolidated during Week 3, multiplication and division targets are consolidated during Week 4, and fractions targets are consolidated during Week 5 .

## Weeks 6, 7 \& 8 Post SATs consolidation weeks

## Based on knowledge of their pupil,

 performance on SATs assessments and evidence on teacher assessment frameworks, class teachers to decide which units of work and targets should be revisited during these weeks.Gaps in evidence on teacher assessment frameworks should be prioritised during these weeks.

## Weeks 9 \& 10 Consolidation weeks <br> - time

-Know the number of minutes in an hour and the number of hours in a day
-Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.
-Compare and sequence intervals of time.

Week 11 Consolidation week - money

Recognise and use symbols of pounds (f) and pence (p).

Combine amounts to make a particular value.

Find different combinations of coins that equal the same amounts of money.
-Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

## Weeks 12 \& 13

Consolidation weeks geometry
-Identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line
-Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.
-Identify 2D shapes on the surface of 3D shapes.
-Compare and sort common 2D and 3D shapes and everyday objects.
-Order and arrange combinations o
mathematical objects in patterns and sequences.
Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).

Assessment week will also take place during week 12.

