Plan: Abacus Year 1 School Name: Braywood CE First School Teacher: helen wakeman Class: Year 4 Mrs Wakeman Date: 03/11/2019

## Year 1, Autumn Term 1

## Wk Strands

1 NPV Number and place value; MAS Mental addition and subtraction

2 MAS Mental addition and subtraction; PRA Problem solving, reasoning and algebra

3 MMD Mental multiplication and division; MAS Mental addition and subtraction

4 GPS Geometry: properties of shapes; STA Statistics

5 NPV Number and place value; MAS Mental addition and subtraction

## Progression Focus

## Counting and representing numbers

Week 1 focuses on counting, ordering, comparing numbers to 20 and beyond.

## Addition and subtraction

Weeks 2 and 3 focus on number stories, for addition / subtraction facts, doubles and counting on / back 1.
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## 2D shapes

Week 4 focuses on 2D shapes: identifying, naming and sorting according to different properties.

## Place value and representing numbers

Weeks 5 and 6 focus on reading, writing, comparing, ordering numbers to 20 and beyond; adding / subtracting 1 or 10.

## Weekly Summary

Count up to 20 objects (match number to object); estimate and count up to 30 objects; count on and back and order numbers to 10; recognise domino/dice arrays without counting; identify a number 1 more (next number in count)

Find pairs that make 5 ; subitise to 5 ; find pairs that make 6 ; subitise to 6 ; find pairs that make 10; subitise fingers to 10 ; match pairs to 5,6 and 10 to number sentences; find missing numbers in number sentences

Double numbers 1 to 5 ; find 1 and 2 more; count back 1 and begin to find 1 less

Recognise, name and describe squares, rectangles, circles and triangles; recognise basic line symmetry; sort 2D shapes according to their properties, using Venn diagrams and Carroll diagrams

Read and write numbers and number-names to 20; compare and order numbers to 20 ; identify 1 more and 1 less; estimate sets of objects, count to check and order sets according to size; understand 0 as the empty set

## Year 1, Autumn Term 2

## Wk Strands

$6 \quad$ NPV Number and place value

7 MAS Mental addition and subtraction; PRA Problem solving, reasoning and algebra

8 GPD Geometry: position and direction; MEA Measurement

## Progression Focus

Place value and representing numbers
Weeks 5 and 6 focus on reading, writing, comparing, ordering numbers to 20 and beyond; adding / subtracting 1 or 10 .

## Addition and subtraction

Week 7 focuses on using number facts; representing addition and subtraction with concrete objects.

## Position and direction; length

Week 8 focuses on establishing position and direction, then comparing and measuring lengths

## Weekly Summary

Understand and then make teen numbers (10 and some 1s); compare and order numbers to 20 , then 30 ; find the number between two numbers with a difference of 2 ; understand and use ordinal numbers

Revise bonds to 5,6 and 10; find pairs which make 7; use addition facts for 5 , 6 and 10 to solve subtractions; use number facts for 5,6 and 10 to solve word problems

Describe position and direction using common words (including half turns); compare lengths and heights; estimate, compare and measure lengths using uniform non-standard and standard units

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9 MAS Mental addition and subtraction; MMD Mental multiplication and division

NPV Number and place value; MEA Measurement

## Addition and subtraction; money

Weeks 9 and 10 focus on counting on or back 1 / 2 $/ 3$ and recognising coins, then finding totals.

Addition and subtraction; money
Weeks 9 and 10 focus on counting on or back 1 / 2
/ 3 and recognising coins, then finding totals.

Add 1, 2 and 3 by counting on; subtract 1, 2, 3 or more by counting back; begin to add three small numbers by spotting bonds to 10 or doubles (1-6)

Compare and order numbers to 20 ; recognise coins and know values (up to $£ 2$ ); begin to make amounts in pence; understand teen numbers are 10 and some is

## Year 1, Spring Term 1

Wk Strands
11 NPV Number and place value; MAS Mental addition and subtraction

12 MAS Mental addition and subtraction; PRA Problem solving, reasoning and algebra; MMD Mental multiplication and division

MAS Mental addition and subtraction

14 GPS Geometry: properties of shapes; STA Statistics; MEA Measurement

NPV Number and place value; MMD Mental multiplication and division

## Progression Focus

## Place value

Week 11 focuses on using a variety of images to embed an understanding of 2 -digit numbers and place value, including finding 1 more / less.

## Number facts

Week 12 focuses on embedding a reliable recall of number facts, then using these to solve simple word problems.

## Addition and subtraction

Week 13 focuses on using known number facts to add and subtract using unit patterns and other strategies.

## 3D shapes; time

Week 14 focuses on naming and identifying 3D shapes and their properties, and then on rehearsing days of the week and months of the year.

## Numbers and counting; fractions

Weeks 15 and 16 focus on counting, extending this skill to include counting in $2 \mathrm{~s}, 5 \mathrm{~s}$, 10 s and identifying patterns; counting is related to estimation and then to halves and quarters as equal parts of a whole.

## Weekly Summary

Say the number one more or less and two more or less using a number line or a 100 grid; locate 2-digit numbers on a 100 grid and a 1-100 bead string; read, write and say 2-digit numbers and understand them as some tens and some ones

Revise pairs to 5, 6, 7, 10 and doubles to double 6; derive subtraction facts; understand a symbol being used for an unknown; use number facts to solve simple addition and subtraction word problems; find pairs of numbers with a total of 8

Add by putting the larger number first and counting on (numbers up to 100), spotting unit patterns; count on from 2-digit numbers; add a 1 -digit number to a 2-digit number

Name, recognise and know the properties of 3D shapes: cube cuboid, cone, cylinder and sphere; begin to sort 3D shapes according to properties; order and name the days of the week and months of the year; recognise and name the seasons

Count on and back in tens from any number; begin to count in 5 s and 2 s recognising multiples of 5 end in 5 and 0 ; chn begin to count in 2 s ; estimate a number of objects within a range and count by grouping into 10 s or 5 s

## Year 1, Spring Term 2

## Progression Focus

Numbers and counting; fractions

## Weekly Summary

Recognise odd and even numbers; count objects in 5 s and 10s and

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Mental multiplication and division;
FRP Fractions, ratio and proportion

17 MAS Mental addition and subtraction; MMD Mental multiplication and division; PRA Problem solving, reasoning and algebra

MEA Measurement

Weeks 15 and 16 focus on counting, extending this skill to include counting in $2 \mathrm{~s}, 5 \mathrm{~s}$, 10 s and identifying patterns; counting is related to estimation and then to halves and quarters as equal parts of a whole.

## Number facts

Week 17 focuses on number facts, including doubles and halves, and the use of these in additions and subtractions to 20 .

## Time

Week 18 focuses on units of time and telling the time to the nearest half hour, and on developing understanding of how long a minute, hour, day, week, etc. are.

## MAS Mental addition and subtraction Addition and subtraction

Week 19 focuses on addition and subtraction, specifically in relation to counting on and back, sometimes crossing 10.

NPV Number and place value; MAS Place value and money
Mental addition and subtraction

Week 20 focuses on place value in 2-digit numbers and then in relation to money: $£ 1 \mathrm{~s}, 10 \mathrm{~s}, 1 \mathrm{ps}$; children find 1 / 10 more / less than any number.
begin to say 5 lots and 10 lots; find half, quarter and three quarters of shapes; begin to know that two halves and four quarters are a whole and that two quarters is a half

Find and begin to know doubles to double 10; revise pairs to $5,6,7,8,9$ and 10 and derive related subtraction facts; use knowledge of pairs of 10 to make pairs to 20 ; use number facts to solve word problems

Relate units of time weeks, days, hours; divide the days up into parts; read and write times to the hour; begin to have a notion of how long an hour is and how long a minute is; tell the time (o'clock and half past) on analogue and digital clocks; measure using uniform units (cubes and rulers)

Add a 1-digit number by counting on from a 2-digit number, not crossing 10s at first, then beginning to cross 10s; subtract a 1 -digit number by counting back initially from numbers up to 30 (not crossing 10s) and then generally from a 2-digit number (not crossing 10s) and from multiples of 10

Locate 2-digit numbers on a 100-square; begin to recognise 2-digit numbers as some 10s and 1s; make 2-digit numbers using 10p and smaller coins; find 1 more or 1 less than any number to 100; find 10 more than any number to 90 ; find 10 less than any number to 100

## Year 1, Summer Term 1

Wk Strands
21 NPV Number and place value; MAS
Mental addition and subtraction; PRA Problem solving, reasoning and algebra

MAS Mental addition and subtraction

MAS Mental addition and subtraction

## Progression Focus

## Place value

Week 21 focuses on consolidating understanding of 2 -digit numbers, representing these in different ways, and partitioning into 10s and 1 s .

## Addition and subtraction

Weeks 22 and 23 focus on revision of number facts and using these to solve additions and subtractions involving 1 - and 2 -digit numbers.

## Addition and subtraction

Weeks 22 and 23 focus on revision of number facts and using these to solve additions and

## Weekly Summary

Find 1 more, 1 less, 10 more, 10 less than any 2-digit number; explore patterns on the 100 -square; understand place value in 2 -digit numbers and identify 10 s and 1 s

Use number facts to add and subtract 1-digit numbers to/from 2-digit numbers add pairs of 1 -digit numbers with totals above 10; sort out additions into those you 'just know' and those you need to work out

Add three small numbers, spotting pairs to 10 and doubles; add and subtract 10 to and from 2-digit numbers

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NPV Number and place value; MMD Mental multiplication and division; FRP Fractions, ratio and proportion; MEA Measurement

## Measures

Week 24 focuses on weight and capacity, comparing and using uniform non-standard units to measure both; information is recorded in block graphs for ease and clarity.

## Fractions; money

Week 25 focuses on doubling and halving numbers, and recognising halves and quarters of shapes; and on recognising coins and solving money problems.

Compare weights and capacities using direct comparison; measure weight and capacity using uniform non-standard units; complete tables and block graphs, recording results and information; make and use a measuring vessel for capacity

Find half of all numbers to 10 and then to 20; identify even numbers and begin to learn halves; recognise halves and quarters of shapes and begin to know $2 / 2=1$, $4 / 4=1$ and $2 / 4=1 / 2$; recognise, name and know value of coins $1 p-£ 2$ and $£ 5$ and $£ 10$ notes; solve repeated addition problems using coins; make equivalent amounts using coins

## Year 1, Summer Term 2

## Wk Strands

26 NPV Number and place value

27 NPV Number and place value; MMD Mental multiplication and division; PRA Problem solving, reasoning and algebra; FRP Fractions, ratio and proportion

MEA Measurement; STA Statistics; GPS Geometry: properties of shapes; GPD Geometry: position and direction

29 MAS Mental addition and subtraction

30 NPV Number and place value; MAS Mental addition and subtraction; MMD Mental multiplication and division

## Progression Focus

## Place value

Week 26 focuses on rehearsing place value in 2-digit numbers.

## Multiplication and division

Week 27 focuses on identifying patterns in multiples of 2,5 and 10 , and relating counting in 2 s to doubling and halving.

## Time; measures; 2D shapes

Week 28 focuses on telling the time to the quarter hour; on measuring lengths, recording information in pictograms and block graphs; and on repeating patterns using 2D shapes.

## Addition and subtraction

Week 29 focuses on using number facts to solve additions and subtractions involving 1and 2-digit numbers and finding change.

## Place value; multiplication

Week 30 focuses on consolidating understanding of 2-digit numbers; and on exploring patterns in multiples of 2,5 and 10.

## Weekly Summary

Locate 2-digit numbers on a beaded line and 100-square; compare and order 2-digit numbers up to 100 and say a number between two numbers; identify 10s and 1s in 2-digit numbers and solve place-value additions

Recognise odd and even numbers; count in 2s, 5s and 10s, look for patterns; multiply by $2,5,10$ by counting in groups/sets; find doubles to double 10 and related halves; halve odd numbers up to 10

Tell the time to the half hour and quarter hour on analogue clocks and begin to read these times on digital clocks; revise months of the year; read, interpret and create a pictogram; begin to recognise and read block graphs; measure lengths using non-standard, uniform units; recognise and name simple 2D shapes and continue repeating patterns

Use number facts to add and subtract 1-digit numbers to and from 2-digit numbers; find change from 10p and from 20p

Locate 2-digit numbers on a bead string and a 1-100 square; order numbers to 100 ; identify 10 s and 1 s in 2 -digit numbers; say or write 1 more and 1 less and 10 more and 10 less than any number to 100 ; explore patterns in $10 \mathrm{~s}, 5 \mathrm{~s}$ and 2 s on a $9 \times 9$ grid; count in tens from any given number

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