| Mathematics Knowledge Progression 2023 |  |  |
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| "Mathematics is not about numbers, equations, computations or algorithms; it is about UNDERSTANDING" William Paul Thurston |  |  |
|  | Autumn Term | Summer Term |
| n | Just Like Me! <br> Number <br> -Matching and sorting <br> -Comparing amounts <br> Measure, Shape and Spatial Thinking <br> -Comparing size, mass and capacity <br> -Exploring patterns <br> It's Me 1, 2, 3! <br> Number <br> -Representing 1, 2, 3 <br> -Comparing 1, 2, 3 <br> -Composition of 1, 2, 3 <br> Measure, Shape and Spatial Thinking <br> -Circles and Triangles <br> -Positional Language <br> Light and Dark <br> Number <br> -Representing numbers to 5 <br> -One more/one less <br> Measure, Shape and Spatial Thinking <br> -Shapes with 4 sides <br> -Time | To 20 and Beyond <br> Number <br> -Building numbers beyond 10 <br> -Counting patterns beyond 10 <br> Measure, Shape and Spatial Thinking <br> -Match, Rotate, Manipulate (Spatial Reasoning) <br> First, Then, Now <br> Number <br> -Adding more and taking away <br> Measure, Shape and Spatial Thinking <br> -Compose and Decompose (Spatial Reasoning) <br> Find My Pattern <br> Number <br> -Doubling, sharing and grouping <br> -Even and Odd <br> Measure, Shape and Spatial Thinking <br> -Visualise and build (Spatial Reasoning) <br> On the Move <br> Number <br> -Deepening understanding of patterns and relationships <br> Measure, Shape and Spatial Thinking <br> -Mapping (Spatial Reasoning) |


|  | TERM 1 | TERM 2 | TERM 3 | TERM 4 | TERM 5 | TERM 6 |
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| $\underset{\sim}{\underset{\sim}{\Psi}}$ | Place Value (within 10) <br> -Sort, count (with 1:1 correspondence) and represent objects -Recognise numbers as words <br> -Count forwards and backwards within 10. -Find one more/one less -Compare and order objects and numbers -Language: fewer, more, same, less than, greater than, equal to 1-NPV-1, 1-NPV-2 | Addition \& Subtraction (within 10) <br> -Part-Part Whole model <br> -Writing number sentences. <br> -Addition facts and families <br> -Number bonds within and to 10 <br> -Addition: add together, add more <br> -Find a part <br> -Subtraction Facts and families <br> -Subtraction: take away/cross out, on a number line <br> -Add and subtract 1 or 2 . <br> 1-AS-1, 1-AS-2, 1-NF-1 <br> Shape <br> -Recognise and name 2D shapes <br> -Sort and group 2D <br> shapes <br> -Recognise and name 3D shapes <br> -Sort and group 3D shapes <br> -Repeating patterns 1-G-1, 1-G-2 | Place Value (within 20) <br> -Count forwards and backwards <br> -Write in numerals and words <br> -Partitioning into Tens and Ones <br> -Compare and order numbers and groups of objects <br> 1-NPV-1, 1-NPV-2 <br> Addition \& Subtraction (within 20) <br> -Add by counting on <br> -Add by making a Ten <br> -Subtraction (including bridging a Ten) <br> -Number bonds and related facts <br> -Comparing number sentences <br> 1-NPV-2, 1-NF-1, 1-AS-2 | Place Value (within 50) <br> -Count to 50 <br> -Partitioning into Tens and Ones <br> -Represent numbers to 50 <br> -Compare and order numbers and groups of objects <br> -Count in 2 s and 5 s <br> 1-NPV-1, 1-NPV-2 <br> Length \& Height <br> -Comparing length and height <br> -Measure length and height <br> Mass \& Volume <br> -Introduce weight and mass <br> -Measure mass <br> -Compare mass <br> -Introduce capacity and volume <br> -Measure capacity <br> -Compare capacity | Multiplication \& Division <br> -Count in 10s <br> -Make equal groups <br> -Add equal groups <br> -Make arrays <br> -Make doubles <br> -Make equal groups <br> (grouping and sharing) <br> 1-NF-2 <br> Fractions <br> -Finding half of a shape or quantity <br> -Finding a quarter of a shape or quantity <br> Position \& Direction <br> -Describe turns <br> -Describe position <br> -Ordinal numbers | Place Value (within 100) <br> -Count to 100 <br> -Partitioning into Tens and Ones <br> -Represent numbers to 100 <br> -Compare and order numbers and groups of objects <br> -Find one more/less <br> 1-NPV-1, 1-NF-2 <br> Money <br> -Recognise coins <br> -Recognise notes <br> -Counting in coins <br> 1-NF-2 <br> Time <br> -Before and after <br> -Days and Months <br> -Time to the hour (o'clock) <br> -Time to the half hour <br> (half past) <br> -Writing time <br> -Comparing time |


|  | TERM 1 | TERM 2 | TERM 3 | TERM 4 | TERM 5 | TERM 6 |
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| $\underset{~}{\stackrel{\sim}{山}}$ | Place Value <br> -Numbers to 20 <br> -Count objects by making <br> 10s <br> -Recognise Tens and Ones <br> -Using a Place Value Chart <br> -Partition and flexibly <br> partition numbers to 100 <br> -Write to 100 in words and <br> in expanded form <br> -Tens and Ones on a <br> number line to 100 <br> -Estimate numbers on a number line <br> -Comparing and ordering numbers and objects <br> - Count in $2 \mathrm{~s}, 5 \mathrm{~s}, 10 \mathrm{~s}$ <br> -Count in 3 s <br> 2-NPV-1, 2-NPV-2 <br> Addition \& Subtraction <br> -Bonds to 10, 20 and 100 <br> -Related facts <br> -Add and subtract Ones <br> -Add by making 10 <br> -Add three 1-digit <br> numbers <br> -Add to the next Ten <br> -Add across a Ten <br> -Subtract across/from a <br> Ten <br> 2-NF-1, 2-AS-1, 2-AS-3, <br> 2-AS-4 | Addition \& Subtraction <br> -Subtract a 1-digit number from a 2-digit number <br> - 10 more/less <br> -Add and subtract two 2digit numbers <br> -Mixed addition and subtraction <br> -Compare number sentences <br> -Missing number problems <br> 2-NF-1, 2-AS-1, 2-AS-3, 2-AS-4 <br> Properties of Shape <br> -Recognise and sort 2D and 3D shapes <br> -Count the sides and vertices of a 2D shape -Draw 2D shapes -Lines of symmetry and using these to complete shapes <br> -Count the faces, edges and vertices of a 3D shape <br> -Sort 2D and 3D shapes -Make patterns with 2D and 3D shapes <br> 2-G-1 | Money <br> -Count money (in pounds and pence) <br> -Count notes and coins <br> -Make equivalent <br> amounts <br> -Compare money <br> -Find the total <br> -Find the difference <br> -Calculate change <br> -Two step problems involving money. 2-NPV-2, 2-AS-2, 2-AS-4 <br> Multiplication \& Division <br> -Recognise, make and add equal groups -Multiplication using pictures and the $x$ symbol -Use arrays <br> $-2,5$ and 10 times tables -Divide by two, five and ten <br> -Odd and Even numbers 2-MD-1, 2-MD-2 | Statistics <br> -Make Tally charts <br> -Draw and interpret pictograms (1:1 and 1:2, 1:5 and 1:10 scale) <br> -Draw and interpret block diagrams <br> 2-MD-1 <br> Fractions <br> -Make equal parts -Recognise and find a half <br> -Recognise and find a quarter <br> -Recognise and find a third <br> -Recognise and find three quarters <br> -Recognise equivalence <br> in fractions <br> -Count in fractions <br> -Unit ( $1 / 2,1 / 4,1 / 3$ ) and non-unit fractions ( $2 / 3,3 / 4$ ) | Length \& Height <br> -Measure length and height (in cm and m) <br> -Compare and order length and height <br> -Four operations with length and height <br> 2-AS-4 <br>  <br> Temperature <br> -Compare mass <br> -Measure mass in grams and kilograms <br> -Compare volume <br> -Measure volume in millilitres and litres <br> -Measure and compare temperature <br> 2-MD-1 <br> Red - Covered through guided Maths Terms 1-4. | Position \& Direction <br> -Describe movement <br> -Describe turns <br> -Make patterns with shapes involving turns <br> Time <br> -O'clock and half past times <br> -Quarter to and past times <br> -Time to 5 minute intervals <br> -Minutes in an hour, hours in a day <br> -Find and compare durations of time <br> Red - Covered through guided Maths Terms 1-4. |


|  | TERM 1 | TERM 2 | TERM 3 | TERM 4 | TERM 5 | TERM 6 |
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| $\begin{aligned} & \text { m } \\ & \stackrel{\infty}{\underset{\sim}{4}} \end{aligned}$ | Place Value <br> -Represent and partition numbers to 100 <br> -Number lines to 100 and 1000 <br> -Estimating on number lines <br> -Hundreds, Tens and Ones <br> -Represent, partition and flexibly partition numbers to 1000 <br> -Find 1, 10 and 100 <br> more/less <br> -Compare and order <br> numbers to 1000 <br> -Count in 50s <br> 3-NPV-1, 3-NPV-2, <br> 3-NPV-3, 3-NPV-4 <br> Addition \& Subtraction <br> -Apply number bonds within 10 <br> -Add and subtract Ones, <br> Tens and Hundreds <br> -Pattern spotting <br> -Add and subtract Ones across a Ten <br> -Add and subtract a Ten across a Hundred <br> -Make connections <br> -Add and subtract two numbers without exchange <br> 3-NPV-1,3-NF-1, 3-AS-1, 3-AS-2, 3-AS-3 | Addition \& Subtraction <br> -Add and subtract two numbers across a Ten and Hundred <br> -Add and subtract 2 and <br> 3-digit numbers <br> -Complements to 100 <br> -Estimate answers <br> -Inverse operations <br> -Make decisions <br> 3-NF-1, 3-AS-2, 3-AS-3 <br>  <br> Division <br> -Recall multiplication as equal groups <br> -Use arrays <br> -Multiples of 2, 5 and 10 <br> -Sharing and grouping <br> -Multiply and divide by 3 <br> -Multiply and divide by 4 <br> -Multiply and divide by 8 <br> $-2,3,4$ and 8 times <br> tables <br> 3-NF-2, 3-MD-1 |  <br> Division <br> -Compare multiplication and division facts using inequality symbols -Related multiplication and division facts -Multiply and divide a two-digit number by a one-digit number -Scaling and ratios -Systematically find all possible combinations of groupings <br> 3-NF-3, 3-MD-1 <br> Length \& Perimeter <br> -Measure length <br> -Equivalent lengths (m, cm and mm ) <br> -Compare, add and subtract lengths <br> -Measure perimeter <br> -Calculate perimeter <br> 3-NPV-3, 3-NF-3 | Fractions <br> -Making a whole <br> -Count in tenths <br> -Tenths as decimals -Fractions on a number line <br> -Fractions of a group of objects <br> -Equivalent fractions <br> -Comparing fractions <br> -Ordering fractions <br> -Add and subtract fractions <br> 3-NF-3 3-F-1, 3-F-3 <br> Mass \& Capacity <br> -Measure and compare mass <br> -Add and subtract mass <br> -Measure and compare capacity <br> -Add and subtract capacity. <br> 3-NPV-1, 3-NPV-4 | Fractions <br> -Making a whole <br> -Count in tenths <br> -Tenths as decimals <br> -Fractions on a number line <br> -Fractions of a group of objects <br> -Equivalent fractions <br> -Comparing fractions <br> -Ordering fractions <br> -Add and subtract fractions <br> 3-F-2, 3-F-3, 3-F-4 <br> Money <br> -Pounds and pence <br> -Convert pounds and pence <br> -Add and subtract money <br> -Give change <br> 3-NPV-1, 3-AS-2, 3-AS-3 <br> Time <br> -Months and years <br> -Hours in a day <br> -Telling the time to five- <br> minute intervals <br> -Telling the time to oneminute intervals <br> -Using AM and PM <br> -The 24-hour clock <br> -Finding and comparing durations <br> -Start and end times <br> -Measuring time in seconds. | Properties of Shape <br> -Turns and angles <br> -Right angles in shapes <br> -Comparing angles <br> -Accuracy in drawing lines <br> -Horizontal and Vertical lines <br> -Parallel and perpendicular lines <br> -Recognise and describe <br> 2D shapes. <br> -Recognise and describe 3D shapes. <br> -Construct 3D shapes from nets. 3-G-1, 3-G-2 <br> Statistics <br> -Pictograms <br> -Bar charts <br> -Tables |


|  | TERM 1 | TERM 2 | TERM 3 | TERM 4 | TERM 5 | TERM 6 |
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| $\begin{aligned} & \dot{\sim} \\ & \underset{\sim}{\sim} \\ & \underset{\sim}{\sim} \end{aligned}$ | Place Value <br> -Represent, partition and flexibly partition numbers to 1000 and then 10,000 <br> -Number lines to 1000 and then 10,000 <br> -Estimate numbers on a number line <br> - Find 1, 10, 100, 1000 <br> more/less <br> -Compare and order numbers to 10,000 <br> -Roman numerals <br> -Round to the nearest 10, 100 and 1000 <br> 4-NPV-1, 4-NPV-4 <br> Addition \& Subtraction <br> -Add and subtract Ones, <br> Tens, Hundreds, Tens and <br> Thousands <br> -Add and subtract fourdigit numbers with no, one and multiple exchanges <br> -Efficient subtraction <br> -Estimate answers <br> -Check strategies <br> 4-NPV-2, 4-NPV-3, 4-NF-3 | Area <br> -What is area? <br> -Count squares <br> -Make shapes <br> -Compare areas <br> 4-G-2 <br>  <br> Division <br> -Multiples of 3 <br> -Multiply and divide by <br> 6, 9 and 7 <br> $-3,6,9,7,11$ and 12 <br> Times Table and division facts <br> -Multiply by 1 and 0 <br> -Divide by 1 and itself <br> -Multiply three numbers <br> 4-NF-1, 4-NF-2, 4-NF-3, <br> 4-MD-2 | Multiplication \& Division <br> -Factor pairs -Efficient multiplication -Written methods for multiplication and division -Multiply and divide twodigit and three-digit numbers by a one-digit number <br> -Correspondence problems using multiplication and division <br> 4-NPV-1, 4-NF-1, 4-NF-2, 4-NF-3, 4-MD-1, 4-MD-3 <br> Length \& Perimeter <br> -Kilometres <br> -Perimeter on a grid -Perimeter of a rectangle -Perimeter of rectilinear shapes <br> 4-G-2 | Fractions <br> -What is a fraction? <br> - Equivalent fractions <br> -Fractions greater than one <br> -Counting in fractions <br> -Adding two or more fractions <br> -Subtracting two fractions <br> -Subtract fractions from whole amounts -Calculate fractions of a quantity. <br> -Problem solving involving fractions <br> 4-F-1, 4-F-2, 4-F-3 <br> Decimals <br> -Recognise tenths and hundredths <br> -Tenths as decimals, on a place value grid and number lines <br> -Divide one and two digits by 10 <br> --Hundredths as decimals and on a place value grid <br> -Dive one and two digits by 100 | Decimals <br> -Make a whole <br> -Write decimals <br> -Compare and order <br> decimals <br> -Rounding decimals <br> -Decimal equivalence for halves and quarters. <br> Money <br> -Pounds and pence <br> -Ordering money <br> -Estimating money <br> -Four operations involving money <br> Time <br> -Hours, minutes and seconds <br> -Days, weeks, months and years <br> -Covert between analogue and digital (12-hour and 24hour clock) | Properties of Shape <br> -Identify angles <br> -Compare and order angles <br> -Triangles <br> -Quadrilaterals <br> -Lines of symmetry <br> -Complete a symmetric figure 4-G-1, 4-G-2, 4-G-3 <br> Statistics <br> -Interpret charts <br> -Comparison, sum and difference <br> -Line graphs <br> 4-NPV-4 <br> Position \& Direction <br> -Describe position <br> -Draw on a grid <br> -Move on a grid <br> -Describe movement on a grid <br> 4-G-1 |

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|  | TERM 1 | TERM 2 | TERM 3 | TERM 4 | TERM 5 | TERM 6 |
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|  | Place Value <br> -Roman numerals to 1000 <br> -Numbers to 10,000/100,000 <br> and 1,000,000 <br> -Read and write numbers to <br> 1,000,000 <br> -Powers of 10 <br> -10/100/1000/10,000/ <br> 100,000 more or less <br> -Partition numbers to <br> 1,000,000 <br> -Number lines to 1,000,000 <br> -Compare and order numbers <br> to 100,000 and 1,000,000 <br> -Round to the nearest 10, 100 <br> and 1000 <br> -Round within 100,000 and <br> 1,000,000 <br> Addition \& Subtraction <br> -Mental strategies <br> -Add and subtract whole numbers with more than four digits <br> -Rounding to check answers -Inverse operations (addition and subtraction) <br> -Multi-step addition and subtraction problems <br> -Compare calculations <br> -Find missing numbers | Multiplication \& Division -Multiples and common multiples <br> -Factors and common factors <br> -Prime, square and cube numbers <br> -Multiply and divide by 10, 100 and 1000 <br> -Multiples of 10, 100 and 1000 <br> 5-NF-1, 5-MD-1, 5-MD-2 <br> Fractions <br> -Find fractions equivalent to a unit and non-unit fraction <br> -Recognise equivalent fractions <br> -Convert improper fractions to mixed numbers and vice versa <br> -Compare and order fractions less/greater than 1 <br> -Add and subtract fractions with the same denominator -Add fractions within 1 and totalling more than 1. <br> -Add to a mixed number and two mixed numbers -Subtract fractions, including from a mixed number and two mixed numbers <br> 5-F-2 | Multiplication \& Division -Multiply and divide fourdigit numbers by one and two-digit numbers - Multiply and divide threedigit numbers by one and two-digit numbers -Multiply and divide twodigit numbers by one and two-digit numbers -Divide with remainders 5-NF-1, 5-MD-3, 5-MD-4 <br> Fractions <br> -Multiply unit, non-unit and mixed fractions by an integer <br> -Fractions of an amount -Using fractions as operators 5-F-1 | Decimals \& Percentages <br> -Decimals to 2 decimal places <br> -Decimals as fractions <br> -Thousandths as decimals <br> -Round, order and compare <br> decimals <br> -Percentages as fractions <br> and decimals <br> -Equivalent fractions, decimals and percentages <br> 5-NPV-1, 5-NPV-2, <br> 5-NPV-3, 5-NPV5, 5-NF-2, <br> 5-F-3 <br> Perimeter \& Area <br> -Measure and calculate perimeter <br> -Area of rectangles <br> -Area of compound shapes <br> -Area of irregular shapes <br> 5-G-2 <br> Statistics <br> -Read and interpret line graphs <br> -Draw line graphs <br> -Use line graphs to solve problems <br> -Read an interpret tables <br> -Two-way tables <br> -Timetables <br> 5-NPV-4 | Properties of Shape <br> -Measure angles in degrees <br> -Measuring using a protractor <br> -Drawing lines and angles <br> accurately <br> -Calculating angles on a straight line <br> -Calculating angles around a point <br> -Calculating lengths and angles in shapes <br> -Regular and irregular polygons <br> -Reasoning about 3D shapes <br> 5-G-1 <br> Position \& Direction <br> -Position in the first quadrant <br> -Translation <br> -Translation with coordinates <br> -Reflection <br> -Reflection with coordinates <br> Decimals <br> -Add and subtract decimals within one <br> -Compliments to one <br> -Add and subtract decimals (including crossing the whole, same and different number of decimal places) <br> -Add and subtract wholes and decimals <br> -Decimal sequences <br> -Multiply and divide decimals <br> by 10,100 and 1000 <br> 5-NF-2, 5-MD-1 | Negative Numbers <br> Converting Units <br> -Kilograms and Kilometres <br> -Milligrams and Millilitres <br> -Metric and Imperial units <br> -Converting units of time <br> -Timetables <br> 5-NPV-5 <br> Volume <br> -Compare volumes <br> -Estimate volumes <br> -Estimate capacity |


|  | TERM 1 | TERM 2 | TERM 3 | TERM 4 | TERM 5 | TERM 6 |
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| $\begin{aligned} & 6 \\ & \frac{1}{\infty} \\ & \hline \end{aligned}$ | Place Value <br> -Numbers to 1,000,000 and 10,000,000 <br> -Read and write numbers to $10,000,000$ <br> -Powers of 10 <br> -Number line to 10,000,000 <br> -Compare, order and round any integer <br> -Negative numbers <br> 6-NPV-1, 6-NPV-2, 6-NPV-3, 6-NPV-4 <br> Addition, Subtraction, <br> Multiplication \& Division <br> -Add and subtract integers <br> -Common factors and multiples <br> -Rules of divisibility <br> -Primes to 100 <br> -Square and cube numbers <br> -Multiply up to a 4-digit number by a 2-digit number <br> -Solve problems with multiplication and division <br> -Short division and using factors <br> -Long division including <br> remainders <br> -Solve multi-step problems <br> -Order of operations <br> -Mental calculations and estimation <br> -Reason from known facts <br> 6-AS/MD-1, 6-AS/MD-2 <br> Decimals <br> -Three decimal places <br> -Multiply and divide by 10,100 <br> and 1000 <br> -Multiply and divide decimals by integers <br> -Division to solve problems <br> -Decimals as fractions <br> -Converting between fractions and decimals <br> 6-NPV-1, 6-NPV-2 | Fractions <br> -Equivalent fractions and simplifying <br> -Equivalent fractions on a number line <br> -Compare and order fractions (numerator and denominator) <br> -Add and subtract simple fractions and mixed numbers <br> -Multi-step problems <br> 6-F-1, 6-F-2, 6-F-3 <br> Fractions <br> -Multiply fractions by integers and fractions <br> -Divide fractions by an integer <br> -Mixed questions with <br> fractions <br> -Fractions of an amount, including finding the whole 6-F-1, 6-F-2, 6-F-3 <br> Position \& Direction <br> -The first quadrant <br> -The four quadrants <br> -Translations <br> -Reflections | Fractions, Decimals and <br> Percentages <br> -Fractions to percentages <br> -Equivalent fractions, decimals and percentages <br> -Order fractions, decimals and percentages <br> -Percentages of an amount <br> -Percentages to find a missing value <br> Algebra <br> -Find a rule (one and two step) <br> -Forming expressions and <br> equations <br> -Substitution <br> -Formulae <br> -Solve simple one and two step problems <br> -Find pairs of values <br> -Enumerate possibilities <br> 6-AS/MD-4 <br> Converting Units <br> -Metric measures <br> -Convert metric measures <br> -Calculate with metric measures <br> -Miles and kilometres <br> -Imperial measures <br> 6-NPV-4 | Perimeter, Area \& Volume <br> -Shapes (same area) <br> -Area and perimeter <br> -Area of a triangle <br> -Area of a parallelogram <br> -Volume (counting cubes) <br> -Volume of a cuboid <br> 5-G-2 <br> Ratio <br> -Ratio language <br> -Ratio and fractions <br> -Ratio symbol <br> -Calculating ratios <br> -Using scale factors <br> -Calculating scale factors <br> -Ratio and proportion <br> problems <br> 6-AS/MD-3 <br> Statistics <br> -Read and interpret line graphs <br> -Draw line graphs <br> -Use line graphs to solve <br> problems <br> -Circles <br> -Read and interpret pie charts <br> -Pie charts with percentages <br> -Draw pie charts <br> -The mean <br> 6-NPV-4 <br> Properties of Shape <br> -Measure with a protractor <br> -Introduce angles <br> -Calculate angles <br> -Vertically opposite angles <br> -Angles in a triangle (including <br> special cases and missing <br> angles) <br> -Angles in special <br> quadrilaterals <br> -Angles in regular polygons <br> -Draw shapes accurately <br> -Draw nets of 3D shapes <br> 6-G-1 | SATs Consolidation | Themed Projects, <br> Consolidation and Problem Solving |

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## Ready to Progress Criteria (shown in bold under each unit)

## Year 1:

|  | 1NPV-1 | 1NPV-2 |  | 1NF-1 | 1NF-2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Count within 100, forwards and backwards, starting with any number. | Reason about the location of numbers to 20 within the linear number system, including comparing using < > and = |  | Develop fluency in addition and subtraction facts within 10 | Count forwards and backwards in multiples of 2,5 and 10 , up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers. |
|  | 1AS-1 | 1AS-2 |  | 1G-1 | 1G-2 |
|  | Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers. | Read, write and interpret equations containing addition ( + ), subtraction ( - ) and equals ( $=$ ) symbols, and relate additive expressions and equations to real-life contexts. |  | Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another. | Compose 2 D and 3 D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations. |

## Year 2:

|  | 2NPV-1 |  | 2NPV-2 |  |  | 2NF-1 | 2G-1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Recognise the place value of each digit in two-digit numbers, and composeand decompose two-digit numbers using standard and non-standardpartitioning. |  |  |  |  | Secure fluency in addition and subtraction facts within 10, through continued practice. | Recognise common 2D and 3D shapes presented in different orientations, and know that rectangles, triangles, cuboids and pyramids are not always similar to one another. |
|  | 2AS-1 | 2AS-2 | 2AS-3 | 2AS-4 |  | 2MD-1 | 2MD-2 |
|  | Add end subtract accoss 10 | Recognise the subtraction structure of 'difference' and answer questions of <br> 'difference' and answer questions of the form, "How many more...?". |  |  2 two-digit numbers. |  | Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2,5 and 10 multiplication equations and calculating the product, within the 2,5 and 10 multiplication | Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division). |

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## Year 3:



Year 4:


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Year 5:


Year 6:


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