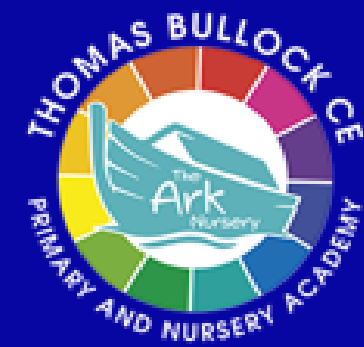# THOMAS BULLOCK CE PRIMARY AND NURSERY ACADEMY

'Let your light shine.' Matthew 5:16

Thomas Bullock Maths Curriculum Overview

Nursery – KS2

2023-2024

# Maths Overview EYFS

At Thomas Bullock Church of England Primary Academy and Nursery, the Early years maths curriculum follows NCETM's Mastering Number and Master the curriculum as a resource to support planning and progression. Lessons are sequential; underpinning the skills and knowledge to secure foundations in the development of good number sense. This is needed to not only achieve the Early Learning Goals but to also enable the children to be successful mathematicians in KS1 and beyond. Teaching is through practical delivery of key ideas, concepts and skills which are further embedded within continuous and enhanced provision.

The below document outlines the Maths Curriculum taught in early years and the small steps the children take to become confident mathematicians as they move into KS1.

| Year Group | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|---|---|---|---|---|---|---|
| Nursery – N1 | **N1.1**<br>I can recognise primary colours.<br>I can perform finger rhymes.<br><br>Future Learning: N2.1, N2.2, N2.3, N2.4, N2.5<br>Links: Literacy - The Colour Monster, EAD – music / number songs | **N1.2**<br>I can match.<br>I can finger count numbers 1-3.<br><br>Future Learning: N2.1, N2.2, N2.3<br>Links: EAD - music / number songs | **N1.3**<br>Selecting simple shapes appropriately<br>Counting in everyday context<br>Counting in sequence<br>Finger counting 1- 5<br>Position and pattern<br><br>Future Learning: N2.2, N2.3, N2.4, N2.5<br>Links: Literacy - mark making, EAD - making patterns, weaving, threading | **N1.4**<br>Symbols and marks<br>Simple problem solving<br>Finger counting 1- 5<br>Subitising to 3<br><br>Future Learning: N2.2, N2.3, N2.4<br>Links: Literacy - mark making, EAD - music / number songs | **N1.5**<br>2 and 3D shapes<br>Composition<br>Comparing measures and quantities<br>Counting beyond 5<br><br>Future Learning: N2.4, N2.5<br>Links: UtW - environmental shapes | **N1.6**<br>Routes/ Locations<br>Position<br>Sequencing<br>Problem solving to 5<br><br>Future Learning: N2.2. N2.3, N2.4, N2.5, N2.6<br>Links: UtW / Literacy - map work, We're Going on a Bear Hunt |
| Nursery – N2 | **N2.1**<br>I can recognise primary colours and some secondary colours.<br>I can match.<br>I can sort.<br><br>Prior Learning: N1.1, N1.2<br>Future Learning: R.1, R.11<br>Links: Literacy - The Colour Monster, EAD - colours in art | **N2.2**<br>Introducing:<br>I can recognise the number 1.<br>I can recognise the number 2.<br>I can notice pattern.<br><br>Prior Learning: N1.2, N1.3<br>Future Learning: N2.5, R.11<br>Links: EAD - making patterns | **N2.3**<br>Introducing:<br>Number 3<br>Number 4<br>Number 5<br>Subitising and Composition<br>Triangles, Rectangles, Squares, Pentagon<br><br>Prior Learning: N1.2, N1.3, N1.4, N1.5<br>Future Learning: N2.6, R.3<br>Links: UtW - environmental shapes | **N2.4**<br>Introducing:<br>Number 6<br>Ten Frame<br>Height and Length<br>Mass<br>Capacity<br><br>Prior Learning: N1.5<br>Future Learning: R.7, R.9<br>Links: UtW / EAD - cooking, water, sand | **N2.5**<br>Introducing:<br>More than/ Fewer than<br>One more/ one less<br>2D/3D Shapes<br><br>Prior Learning: N1.4, N1.5, N1.6<br>Future Learning: R.3, R.4, R.11<br>Links: UtW - environmental shapes | **N2.6**<br>Number composition<br>Night and Day<br>Events<br>Positional language<br>Consolidation<br><br>Prior Learning: N1.6<br>Future Learning: R.3, R.9<br>Links: UtW - night and day, Literacy - Rosie's Walk |

| Reception | | | | | | |
|---|---|---|---|---|---|---|
| | **R.1 – Mastering Number**<br>They will explore the composition of numbers within 5.<br><br>They will begin to compare sets of objects and use the language of comparison.<br><br>Identify when a set can be subitised and when counting is needed<br><br>Subitise different arrangements, both unstructured and structured, including using the Hungarian number frame<br><br>Develop counting skills and knowledge, including: that the last number in the count tells us 'how many' (cardinality); to be accurate in counting, each thing must be counted once and once only and in any order; the need for 1:1 correspondence; understanding that anything can be counted, including actions and sounds<br><br>Make different arrangements of numbers within 5 and talk about what they can see, to develop their conceptual subitising skills<br><br><span style="color:red">Prior Learning: N2.1, N2.2, N2.3, N2.6</span><br><span style="color:blue">Future Learning: 1.1</span><br><span style="color:green">Links: EAD - music/ number songs</span><br><br>**R.2- Shape- Circles and Triangles**<br><br>Identify and name circles and triangles<br>Compare circles and triangles<br>Recognise and find shapes in the environment<br>Describe the position<br><br><span style="color:red">Prior Learning: N2.5</span><br><span style="color:blue">Future Learning: 1.4</span><br><span style="color:green">Links: UTW - environmental shapes</span> | **R.3- Mastering Number**<br>Spot smaller numbers 'hiding' inside larger numbers<br><br>Connect quantities and numbers to finger patterns and explore different ways of representing numbers on their fingers<br><br>Hear and join in with the counting sequence, and connect this to the 'staircase' pattern of the counting numbers, seeing that each number is made of one more than the previous number<br><br>Compare sets of objects by matching begin to develop the language of 'whole' when talking about objects which have parts<br><span style="color:red">Prior Learning: N2.3, N2.6</span><br><span style="color:blue">Future Learning: 1.1, 1.2</span><br><span style="color:green">Links: -</span><br><br>**R. 4- Shape – Shapes with 4 sides**<br>Identify and name shapes with 4 sides<br>Combine shapes with 4 sides<br>Recognise and find shapes in the environment<br>My day and My night<br><span style="color:red">Prior Learning: N2.5</span><br><span style="color:blue">Future Learning: 1.4</span><br><span style="color:green">Links: UtW - environmental shapes</span> | **R.6 Mastering Number**<br>Pupils will continue to develop their subitising and counting skills and explore the composition of numbers within and beyond 5.<br><br>They will begin to identify when two sets are equal or unequal and connect two equal groups to doubles.<br><br>They will begin to connect quantities to numerals.<br><br>Continue to develop their subitising skills for numbers within and beyond 5, and increasingly connect quantities to numerals<br><br>Begin to identify missing parts for numbers within 5<br><br>Explore the structure of the numbers 6 and 7 as '5 and a bit' and connect this to finger patterns and the Hungarian number frame<br><br>Focus on equal and unequal groups when comparing numbers<br>understand that two equal groups can be called a 'double' and connect this to finger patterns<br><span style="color:red">Prior Learning: N2.3, N2.4</span><br><span style="color:blue">Future Learning: 1.9, 1.6</span><br><span style="color:green">Links: -</span><br><br>**R.7- Measurement- Mass and capacity**<br>Compare mass<br>Find a balance<br>Explore capacity<br>Compare capacity<br><span style="color:red">Prior Learning: N2.4</span><br><span style="color:blue">Future Learning: 1.8</span><br><span style="color:green">Links: UTW/ EAD - cooking, water, sand</span> | **R.8 – Mastering Number**<br>Sort odd and even numbers according to their 'shape'<br><br>Continue to develop their understanding of the counting sequence and link cardinality and ordinality through the 'staircase' pattern<br><br>Order numbers and play track games<br><br>Join in with verbal counts beyond 20, hearing the repeated pattern within the counting numbers<br><span style="color:red">Prior Learning: N2.6</span><br><span style="color:blue">Future Learning: 1.9, 1.13</span><br><span style="color:green">Links: -</span><br><br>**R.9- Measurement – Length, height and time**<br>Explore length<br>Compare length<br>Explore height<br>Compare height<br>Talk about time<br>Order and sequence time<br><br><span style="color:red">Prior Learning: N2.4</span><br><span style="color:blue">Future Learning: 1.8</span><br><span style="color:green">Links: -</span> | **R. 10- Mastering Number**<br>They will secure knowledge of number facts through varied practice.<br><br>Continue to develop their counting skills, counting larger sets as well as counting actions and sounds<br><br>Explore a range of representations of numbers, including the 10-frame, and see how doubles can be arranged in a 10-frame<br><span style="color:red">Prior Learning: N2.6</span><br><span style="color:blue">Future Learning: 1.2</span><br><span style="color:green">Links:</span><br><br>**R. 11- Shape-Explore 3D shapes**<br>Recognise and name 3d shapes<br>Find 2d shapes within 3d shapes<br>Recognise and find 3d shapes in the environment<br>Identify more complex patterns<br>Copy and continue patterns<br>Patterns in the environment<br><br><span style="color:red">Prior Learning: N2.5</span><br><span style="color:blue">Future Learning: 1.4</span><br><span style="color:green">Links: -UtW - environmental shapes</span> | **R. 12- Mastering Number**<br>Compare quantities and numbers, including sets of objects which have different attributes<br><br>Continue to develop a sense of magnitude, e.g. knowing that 8 is quite a lot more than 2, but 4 is only a little bit more than 2<br>begin to generalise about 'one more than' and 'one less than' numbers within 10<br><br>Continue to identify when sets can be subitised and when counting is necessary<br><br>Develop conceptual subitising skills including when using a rekenrek<br><br>Consolidation of Shape, patterns and measure based on prior learning<br><br><span style="color:red">Prior Learning: N2.3, N2.6</span><br><span style="color:blue">Future Learning: 1.5, 1.6</span><br><span style="color:green">Links: -</span> |

# Maths Overview KS1– KS2

Maths lessons are delivered as part of the curriculum offer, using White Rose as a resource to support our planning and progression alongside the <span style="color:blue">ready to progress criteria</span> and <span style="color:blue">NCETM mastery materials</span> and the Mastering Number materials in KS1. The Objectives for the lessons are underpinned by the National Curriculum. Maths lessons at Thomas Bullock are well planned and structured to ensure that new skills are learnt and imparted through effectively teaching a sequence of lessons, therefore, developing pupils' **fluency**, **problem solving** and **reasoning** skills through a CPA approach (Concrete, Pictorial and Abstract. Children learn and internalise key vocabulary for their lessons and are provided with a weekly growing list, specific to their lesson, that is displayed clearly on their working walls within their classroom. Children are encouraged to have **courage** and to challenge themselves to apply what they know to trickier problems giving them ownership of their learning and building on their resilience, **perseverance** and confidence to achieve. Lessons are taught in an interactive way providing children with a context that makes use of the children's experiences and links with their wider learning. Children have access to TTRS to allow them to work on their times tables from home in a fun and engaging way and allowing them to take **responsibility** for their home learning. We strive to engage children with a range of different experiences that transcend across cultural divides and offer pupils a rich and deep experience of understanding the power of Maths and ultimately supporting them to **"let their light shine"**.
The below document outlines the Maths Curriculum taught at Thomas Bullock and the small steps journey that students take to become enthusiastic and confident mathematicians, including consolidation weeks and assessments.

| Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|------|----------|----------|----------|----------|----------|----------|
| Year 1 | **1.1-Place Value within 10 (5 weeks)**<br>I can sort objects within 10<br>I can count objects within 10<br>I can count objects from a larger group<br>I can represent objects<br>I can recognise numbers to 10 as words<br>I can count on from any number<br>I can find one more<br>I can count backwards within 10<br>I can find one less<br>I can compare groups by matching<br>I can understand the concept of fewer, more, same<br>I can use the language less than (fewer than), more than, equal to, most, least<br>I can compare numbers<br>I can order objects and numbers.<br>I can use a number line<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.1<br>Links:<br><br>**1.2- Addition (within 10) 3weeks**<br>I can understand the concept of parts and wholes<br>I can use the part whole model<br>I can write number sentences<br>I can find addition fact families<br>I can recall number bonds within 10<br>I can systematically write number bonds within 10<br>I can recall number bonds to 10<br>I can add numbers together<br>I can add more to a number<br>I can solve addition problems<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.2 & 2.3<br>Links: | **1.3- Subtraction (within 10) (3 weeks)**<br>I can find a part of an addition calculation<br>I can find a part using subtraction<br>I can find fact families including subtraction<br>I can subtract by taking away (how many left?)<br>I can subtract using a number line<br>I can add or subtract 1 or 2<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.2 & 2.3<br>Links:<br><br>**1.4- Shape (2 weeks)**<br>I can recognise and name 3D shapes<br>I can sort 3D shapes<br>I can recognise and name 2D shapes<br>I can sort 2D shapes<br>I can make patterns with 2D and 3D shapes<br><br>Prior Learning: R2, R4 & R11<br>Future Learning: 2.4<br>Links: Science - Animals - Animal shape pictures | **1.5- Place Value within 20 (2 weeks)**<br>I can count to and across 20<br>I can understand the number 10 (CPA)<br>I can understand teen numbers (CPA)<br>I can understand the number 20 (CPA)<br>Find one more / one less of a given number<br>I can use the number line to 20<br>I can estimate a number on a number line to 20<br>I can compare numbers to 20.<br>I can order numbers to 20<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.1<br>Links:<br><br>**1.6- Addition and Subtraction (within 20) (3 weeks)**<br>I can add by counting on within 20<br>I can add ones using number bonds<br>I can find and make numbers bonds to 20<br>I can find doubles<br>I can find near doubles<br>I can subtract ones using number bonds<br>I can subtract by counting back<br>I can subtract by finding the difference<br>I can find related facts<br>I can solve missing number problems<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.2 & 2.3<br>Links:<br><br>**Assessment week and Consolidation** | **1.7-Place Value (within 50) (2 weeks)**<br>I can count from 20 - 50<br>I can count by making groups of tens<br>I can make groups of tens and ones<br>I can partition into tens and ones<br>I can use the number line up to 50<br>I can estimate on a number line to 50<br>I can find 1 more and 1 less of numbers to 50.<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.1<br>Links:<br><br>**1.8- Measurement- length/height/mass/volume (3 weeks)**<br>I can compare lengths and heights<br>I can measure lengths using objects<br>I can measure length in cm<br>I can show understanding of heavier and lighter<br>I can measure mass<br>I can compare mass<br>I can show understanding of full and empty<br>I can compare volume<br>I can measure capacity<br>I can compare capacity<br><br>Prior Learning: R7 & R9<br>Future Learning: 2.8<br>Links: Science - Plants | **1.9-Multiplication and Division (3 weeks)**<br>I can count in 2's<br>I can count in 10's<br>I can count in 5's<br>I can recognise equal groups<br>I can make arrays<br>I can make doubles<br>I can make equal groups by grouping<br>I can make equal groups by sharing<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.6<br>Links:<br><br>**1.10-Fractions (3 weeks)**<br>I can recognise a half of an object or a shape<br>I can find half of an object or a shape<br>I can recognise a half of a quantity<br>I can find half of a quantity<br>I can recognise a quarter of an object or a shape<br>I can find a quarter of an object or a shape<br>I can recognise a quarter of a quantity<br>I can find a quarter of a quantity<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.7<br>Links:<br><br>**1.11- Money (1 week)**<br>I can unitise<br>I can recognise coins<br>I can recognise notes<br>I can count in coins<br><br>Prior Learning: -<br>Future Learning: 2.5<br>Links: | Assessment wk/<br>**1.12- time (1 week)**<br>I can understand the concept of before and after<br>I can recognise days of the week<br>I can recognise months of the year<br>I can understand hours, minutes and seconds<br>I can tell the time to the hour<br>I can tell the time to the half hour.<br><br>Prior Learning: R9<br>Future Learning: 2.9<br>Links: Science: Seasons Autumn / Winter & Spring / Summer<br><br>**1.13- Multiplication and Division Recap (2 weeks)**<br>I can count in 2's 10's and 5's<br>I can make arrays to solve multiplications<br>I can make equal groups by grouping<br>I can make equal groups by sharing<br>I can solve multiplication and division problems<br><br>Prior Learning: -<br>Future Learning: 2.6<br>Links:<br><br>**1.14- Place Value within 100 (2 weeks)**<br>I can count from 50 to 100<br>I can count in tens to 100<br>I can partition into tens and ones<br>I can use the number line to 100<br>I can find 1 more and 1 less of numbers to 100<br>I can compare numbers with the same number of tens<br>I can compare any two numbers within 100<br><br>Prior Learning: R Mastering Number<br>Future Learning: 2.1<br>Links:<br><br>**1.15- Position and Direction (1week)**<br>I can describe turns<br>I can describe position – left and right<br>I can describe position – forwards and backwards<br>I can describe position above and below<br>I recognise ordinal numbers<br>**Consolidation Week /End of Year ready to progress catch up**<br><br>Prior Learning: -<br>Future Learning: 2.11<br>Links: Geography - Local Area (maps) |

| Year 2 | | | | | | |
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**2.1- Place Value (4 weeks)**
I can recognise, count and order numbers to 20
I can count objects to 100 by making 10s
I can recognise tens and ones
I can use a place value chart
I can partition numbers to 100
I can write numbers to 100 in words
I can flexibly partition numbers to 100
I can write numbers to 100 in expanded form
I can recognise, use and place tens on the number line to 100
I can recognise, use and place tens and ones on the number line to 100
I can estimate numbers on a number line
I can compare objects to 100
I can compare numbers to 100
I can order objects and numbers to 100
I can count in 2's 5's and 10's
I can count in 3's
Prior Learning: 1.1
Future Learning: 3.1
Links:

**2.2- Addition and subtraction (3weeks)**
I can recall and use bonds to 10
I can recall the addition and subtraction fact families within 20
I can find related facts
I can recognise and recall bonds to 100 (tens)
I can add and subtract 1s
I can add by making 10
I can add three 1- digit numbers
I can add to the next 10
I can add across a 10
I can subtract across 10
I can subtract from a 10
I can subtract 1- digit numbers from a 2-digit number (across 10)
I can find 10 more and 10 less
I can add and subtract 10s
Prior Learning: 1.2
Future Learning: 3.2
Links: Computing - coding

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**2.3- Addition and subtraction (2 weeks continued)**
I can add two 2- digit numbers (not across a 10)
I can add two 2-digit numbers (across a 10)
I can subtract two 2-digit numbers (not across 10)
I can subtract two 2-digit numbers (across a 10)
I can solve mixed addition and subtraction
I can compare numbers sentences
I can solve missing numbers problems
Prior Learning: 1.3
Future Learning: 3.2
Links: Computing - coding

**Assessment Week**

**2.4- Shape (3 weeks)**
I can recognise 2-D and 3-D shapes
I can count sides on 2-D shapes
I can count vertices on 2-D shapes
I can draw 2-D shapes
I can find lines of symmetry on shapes
I can use lines of symmetry to complete shapes
I can sort 2-D shapes
I can count faces on 3-D shapes
I can count edges on 3-D shapes
I count vertices on 3-D shapes
I can sort 3-D shapes
I can make patterns with 2-D shapes
Prior Learning: 1.4
Future Learning: 3.11
Links: Art - collage, printing

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**2.5 Money (2 wks) Consolidate Number**
I can count money in pence
I can count money in pounds (notes and coins)
I can count money in pounds and pence
I can choose notes and coins
I can make the same amount
I can compare amounts of money
I can calculate with money
I can make a pound
I can find change
I can solve two -step problems involving money
Prior Learning: 1.11
Future Learning: 3.9
Links:

**2.6- Multiplication and division (3 weeks)**
I can recognise equal groups
I can make equal groups
I can add equal groups
I understand the use of the multiplication symbol
I can solve multiplication sentences
I can use arrays
I can make equal groups – grouping
I can make equal groups – sharing
I can solve calculations in the 2 times tables
I can divide by 2
I can double and halve
I can odd and even numbers
I can solve calculations in the 10 times- tables
I can divide by 10
I can solve calculation in the 5 times tables
I can divide by 5
I can see the pattern in the 5- and 10-times tables.
Prior Learning: 1.9
Future Learning: 3.3
Links:

**Consolidation week**

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**2.7- Fractions (3 weeks)**
I recognise parts and wholes in a fraction
I can find equal and unequal parts
I can recognise a half
I can find a half
I can recognise a quarter
I can find a quarter
I can recognise a third
I can find a third
I can find the whole
I can recognise unite fractions
I can recognise non- unit fractions
I can recognise the equivalence of a half and two- quarters
I can recognise three quarters
I can find three- quarters
I can count in fractions up to a whole
Prior Learning: 3.5
Future Learning: 1.10
Links:

**2.8- Length/Height/Mass Capacity/Temperature (2 week)**
I can measure in centimetres
I can measure in metres
I can compare lengths and heights
I can order lengths and heights
I can solve problems including the four operations with lengths and heights
I can compare mass
I can measure in grams
I can measure in kilograms
I can solve problems including the four operations with mass
I can compare volume and capacity
I can measure in millilitres
I can measure in litres
I can solve problems involving the four operations with volume and capacity.
I can read and measure the temperature
Prior Learning: 1.8
Future Learning: 3.6
Links:

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**Multiplication and Division (2 weeks recap)**
Using appropriate and efficient strategies:
I can solve multiplication calculations for 2's
I can solve multiplication calculations for 5's
I can solve multiplication calculations for 10's
I can solve multiplication calculations for 3's
I can solve word problems involving multiplications.
I can divide by 2
I can divide by 5
I can divide by 10
I can divide by 3
I can solve division word problems

**Fractions (1 weeks recap)**
I can recognise and find a half of a quantity
I can recognise and find a quarter of a quantity
I can recognise and find a third of a quantity
I can recognise and find three- quarters of a quantity

**Addition/Subtraction (2 -week recap)**
Using appropriate and efficient strategies:
I can add two – 2-digit numbers (not across 10)
I can add two 2-digit numbers (across 10)
I can subtract two 2-digit number (not across 10)
I can subtract two 2digit numbers (across 10)
I can solve word problems involving addition and subtraction
I can solve two step addition and subtraction problems.

**KS1 SATS**

**2.9 – Time (2 weeks)**
I can read the time -o'clock and half past the hour
I can read the time – quarter past and quarter to
I can tell the time past the hour
I can tell the time to the hour
I can tell the time to 5 minutes
I can solve problems with minutes in an hour
I can solve problems with hours in a day
Prior Learning: 3.10
Future Learning: 1.12
Links:

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**2.10- Statistics (1 week)**
I can make tally charts
I can read tables
I can read block diagrams
I can draw pictograms in scales of 1
I can interpret pictograms in scales of 1
I can draw pictograms in scales of 2,5 and 10
I can interpret pictograms in scales of 2, 5 and 10
Prior Learning:
Future Learning: 3.12
Links:

**2.11- Position/Direction (1 week)**
I can use the language of position
I can describe movement
I can describe turns
I can describe movement and turns
I can recognise and describe shape patterns with turns
Prior Learning: 1.15
Future Learning: 3.13
Links: Computing- coding

**Consolidation end of year ready to progress/ QLA gap teaching**

| Year 3 | | | | | | |
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| | **3.1 - Place Value (3 weeks)**<br>I can represent numbers to 100<br>I can partition numbers to 100<br>I can use and record numbers on number line to 100<br>I can count in 100's<br>I can represent numbers to 1,000<br>I can partition numbers to 1,000<br>I can partition numbers flexibly to 1,000<br>I can show understanding of hundreds, tens and ones<br>I can find 1,10 or 100 more or less<br>I can use and record numbers on a number line to 1,000<br>I can estimate on a number line to 1,000<br>I can compare numbers to 1,000<br>I can order numbers to 1,000<br>I can count in 50's<br><br><span style="color:red">Prior Learning: 2.1,</span><br><span style="color:blue">Future Learning: 4.1</span><br><span style="color:green">Links:</span><br><br><br>**3.2 Addition and subtraction (3 weeks)**<br>I can apply number bonds within 10<br>I can add and subtract 1's<br>I can add and subtract 10's<br>I can add and subtract 100's<br>I can spot the patterns between numbers<br>I can add 1's across a 10 (x2)<br>I can add 10's across 100 (x2)<br>I can subtract 1's across a 10 (x2)<br>I can subtract 10's across a 100 (x2)<br>I can make connections between numbers<br><br>**Assessment Week**<br><br><span style="color:red">Prior Learning: 2.2</span><br><span style="color:blue">Future Learning: 4.2</span><br><span style="color:green">Links:</span> | **3.2 Addition and subtraction (2 weeks)**<br>I can add two numbers (no exchange)<br>I can subtract two numbers (no exchange)<br>I can add two numbers (across a 10)<br>I can add two numbers (across a 100)<br>I can subtract two number (across a 10)<br>I can subtract two numbers (across a 100)<br>I can add 2 – digit and 3- digit numbers<br>I can subtract a 2- digit number from a 3- digit number<br>I can make complement to 100<br>I can estimate my answers<br>I can use the inverse operations<br>I can make decisions about my calculations to solve problems<br><br><span style="color:red">Prior Learning: 2.2, 3.2</span><br><span style="color:blue">Future Learning: 4.2</span><br><span style="color:green">Links:</span><br><br>**3.3 Multiplication and division (4 weeks)**<br>I can multiply by making equal groups<br>I can use arrays<br>I can find multiples of 2<br>I can find multiples of 5 and 10<br>I can use sharing and grouping<br>I can multiply by 3<br>I can divide by 3<br>I can recall and use the 3 times-table<br>I can multiply by 4<br>I can divide by 4<br>I can recall and use the 4 times-table<br>I can multiply by 8<br>I can divide by 8<br>I can recall and use the 8 time-table<br>I can demonstrate understanding of the links between the 2,4. and 8 time-tables<br><span style="color:red">Prior Learning: 2.6</span><br><span style="color:blue">Future Learning: 4.3</span><br><span style="color:green">Links:</span><br><br>**Time (recap 2 days)** | **3.4 Multiplication and division (3 week)**<br>I can recall multiples of 10<br>I can solve related calculations<br>I can reason about multiplication<br>I can multiply a 2- digit number by a 1- digit number (no exchange)<br>I can multiply a 2-digit number by a 2-digit number (with exchange)<br>I can make links between multiplication and division<br>I can divide a 2 - digit number by a 1- digit number (no exchange)<br>I can divide a 2- digit number by a 1-digit number (flexible partitioning)<br>I can divide a 2- digit number by a 1- digit number with remainders<br>I can show understanding of scaling<br>I can solve correspondence problems (how many ways)<br><br><span style="color:red">Prior Learning: 2.6 3.3</span><br><span style="color:blue">Future Learning: 4.3</span><br><span style="color:green">Links:</span><br>**3.5 Fractions A (3 weeks)**<br>I can show understanding of the denominators of unit fractions<br>I can compare and order unit fractions<br>I can show understanding of the numerators of non – unit fractions<br>I can show understanding of the whole<br>I can compare and order non – unit fractions<br>I can show understanding of fractions and scales.<br>I can find fractions on a number line<br>I can count in fractions on a number line<br>I can find equivalent fractions on a number line<br>I can represent equivalent fractions as bar models<br><span style="color:red">Prior Learning: 2.7</span><br><span style="color:blue">Future Learning:4.5, 3.8</span><br><span style="color:green">Links: Maths -3.2</span><br><br>**Shape (recap 1 day)** | **Assessment Week**<br><br>**3.6- Lengths and perimeter (3 weeks)**<br>I can measure in metres and centimetres<br>I can measure in millimetres<br>I can measure in centimetres and millimetres<br>I can use metres, centimetres and millimetres<br>I can find equivalent lengths (metres and centimetres)<br>I can find equivalent lengths (centimetres and millimetres)<br>I can compare lengths<br>I can add lengths<br>I can subtract lengths<br>I can show understanding of perimeter<br>I can measure perimeter<br>I can calculate perimeter<br><br><span style="color:red">Prior Learning: 2.8</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links: D&T U3- Greenhouses, Science U3, light and shadows, U4-Forces and magnets</span><br><br>**3.7 – Mass and Capacity (2 weeks)**<br>I can use scales<br>I can measure mass in grams<br>I measure mass in kilograms and grams<br>I can find equivalent masses in kilograms and grams<br>I can compare mass<br>I can add and subtract mass<br>I can measure capacity and volume in millilitres<br>I can measure capacity and volume in litres and millilitres<br>I can find equivalent capacities and volumes in litres and millilitres<br>I can compare capacity and volume<br>I can add and subtract capacity and volume<br><span style="color:red">Prior Learning: 2.8</span><br><span style="color:blue">Future Learning: 5.14</span><br><span style="color:green">Links: D&T U2- Cooking and nutrition</span> | **3.8- Fraction B (2 weeks)**<br>I can add fractions<br>I can subtract fractions<br>I can partition the whole<br>I can find unit fractions of a set of objects<br>I can find non- unit fractions of a set of objects<br>I can reason with fractions of an amount<br><span style="color:red">Prior Learning: 3.5</span><br><span style="color:blue">Future Learning: 4.5</span><br><span style="color:green">Links:</span><br><br>**3.9 – Money (2 weeks)**<br>I can count in pounds and pence<br>I can convert pounds and pence<br>I can add money<br>I can subtract money<br>I can find change<br><span style="color:red">Prior Learning: 2.5</span><br><span style="color:blue">Future Learning: 4.10</span><br><span style="color:green">Links: Maths 3.1 and 3.2</span><br><br>**3.10 – Time (2 weeks)**<br>I can recognise romans numerals to 12<br>I can tell the time to 5 minutes<br>I can tell the time to the minute<br>I can read time on a digital clock<br>I can use am and pm<br>I can recall the years, months and days<br>I can solve problems with days and hours<br>I can use start and end times to solve problems<br>I can use durations to solve problems<br>I can show understanding of minutes and seconds<br>I can show understanding of units of time<br>I can solve problems with time.<br><br><span style="color:red">Prior Learning: 2.9</span><br><span style="color:blue">Future Learning: 4.11</span><br><span style="color:green">Links:Investigations - U1- Skeletons and muscles</span><br><br>**Assessment Week** | **3.11- Shape (2 weeks)**<br>I can show understanding of turns and angles<br>I recognise right angles<br>I can compare angles<br>I can measure and draw shapes accurately<br>I can show understanding of horizontal and vertical lines<br>I can show understanding of parallel and perpendicular lines<br>I can recognise and describe 2D shapes<br>I can draw polygons<br>I can recognise and describe 3D shapes<br>I can make 3D shapes<br><br><span style="color:red">Prior Learning: 2.4</span><br><span style="color:blue">Future Learning: 4.12</span><br><span style="color:green">Links:</span><br>**3.12- Statistics (2 weeks)**<br>I can interpret pictograms<br>I can draw pictograms<br>I can interpret bar charts<br>I can draw bar charts<br>I can collect and represent data<br>I can use and show understanding of two- way tables.<br><br><span style="color:red">Prior Learning: 2.10</span><br><span style="color:blue">Future Learning: 4.13</span><br><span style="color:green">Links: Science - Investigations - U1- Skeletons and muscles, U3, light and shadows, U4-Forces and magnets</span><br><br>**3.13- Position and Direction (1 week)**<br>I can describe turns<br>I can describe position left and write<br>I can describe position forwards and backwards<br>I can describe position above and below<br>I can show understanding of ordinal numbers<br><span style="color:red">Prior Learning: 2.11</span><br><span style="color:blue">Future Learning: 4.14</span><br><span style="color:green">Links: Computing- U5 Coding,</span><br>**QLA- Gap Teaching ready for Year 4 (3 weeks)** |

| Year 4 | | | | | |
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| | **4.1- Place Value (4 weeks)**<br>I can represent numbers to 1,000<br>I can partition numbers to 1,000<br>I can use a number line to 1,000<br>I can show understanding of thousands<br>I can represent numbers to 10,000<br>I can partition numbers to 10,000<br>I can flexibly partition numbers to 10,000<br>I can find 1, 10, 100 , 1,000 more or less<br>I can use a number line to 10,000<br>I can estimate on a number line to 10,000<br>I can compare numbers to 10,000<br>I can order numbers to 10,000<br>I can recognise Roman numerals<br>I can round to the nearest 10<br>I can round to the nearest 100<br>I can round to the nearest 1,000<br>I can round to the nearest 10, 100 or 1,000<br><span style="color:red">Prior Learning: 3.1</span><br><span style="color:blue">Future Learning: 5.1</span><br><span style="color:green">Links: Coding - Computing, Music- beats in a bar</span><br><br>**4.2- Addition and subtraction (3 weeks)**<br>I can add and subtract 1s, 10s, 100s, and 1,000s<br>I can add up to two 4 digit numbers – with no exchange<br>I can add two 4 – digit numbers – with one exchange<br>I can add two 4-digit numbers – more than one exchange<br>I can subtract two 4- digit numbers – no exchange<br>I can subtract two 4 – digit numbers on exchange<br>I can subtract two 4- digit numbers – more than one exchange<br>I can use efficient strategies to subtract<br>I can estimate answers<br>I can use different checking strategies<br><br><span style="color:red">Prior Learning: 3.2</span><br><span style="color:blue">Future Learning: 5.1, 5.2</span><br><span style="color:green">Links: History Romans (4.1)</span><br><br>**Assessment week** | **4.3- Multiplication and Division A (3 weeks)**<br>I can recall multiples of 3<br>I can multiply and divide by 6<br>I can recall my 6 times table and division facts<br>I can multiply and divide by 9<br>I can recall my 9 times table and division facts<br>I know the 3,6 and 9 timetables<br>I can multiply and divide by 7<br>I know my 7 times-table and division facts<br>I can know the 11 times- tables and division facts<br>I know the 12 times- table and division facts<br>I can multiply by 1 and 0<br>I can divide a number by 1 and itself<br>I can multiply three numbers<br><span style="color:red">Prior Learning: 3.3, 3.4</span><br><span style="color:blue">Future Learning: 4.4, 4.8, 5.3, 5.5</span><br><span style="color:green">Links:</span><br>**4.4- Area (1 week)**<br>I can explain what area is<br>I can count squares to find the area<br>I can make shapes<br>I can compare area<br><br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning: 5.8</span><br><span style="color:green">Links: DT Catapults, Art Mosaics, Geography Amazon (deforestation)</span><br><br>**Consolidate and gap filling/QLA analysis (1 week)** | **4.4- Multiplication and division (3 weeks)**<br>I can recall factor pairs<br>I can use factor pairs<br>I can multiply by 10<br>I can multiply by 100<br>I can recall and use related facts for multiplication and division<br>I can use informal written methods for multiplication<br>I can multiply a 2 – digit number by a 1- digit number<br>I can multiply a 3-digit number by a 1-digit number<br>I can divide a 2-digit number by a 1-digit number x2<br>I can divide a 3-digit number by a 1-digit number<br>I can solve correspondence problems<br>I can use efficient methods for multiplication.<br><br><span style="color:red">Prior Learning: 3.3, 3.4</span><br><span style="color:blue">Future Learning: 4.8, 5.3, 5.5</span><br><span style="color:green">Links:</span><br><br>**4.5- Fractions (4 weeks)**<br>I can understand the whole<br>I can count in fractions beyond 1<br>I can partition a mixed number<br>I can use number line with mixed numbers<br>I can compare and order mixed numbers<br>I can understand improper fractions<br>I can convert mixed numbers to improper fractions<br>I can convert improper fractions to mixed numbers<br>I can find equivalent fractions on a number line<br>I can find equivalent fraction families<br>I can add two or more fractions<br>I can add fractions and mixed numbers<br>I can subtract two fractions<br>I can subtract from whole amounts<br>I can subtract from mixed numbers<br><br><span style="color:red">Prior Learning: 3.5, 3.8</span><br><span style="color:blue">Future Learning: 5.4, 5.6</span><br><span style="color:green">Links:</span><br><br>**Assessment Week** | **4.6- Decimals ( 3 weeks)**<br>I can recognise tenths and fractions<br>I can recognise tenths as decimals<br>I can place tenths on a place value chart<br>I can place tenths on a number line<br>I can divide a 1- digit number by 10<br>I can divide a 2- digit number by 10<br>I can recognise hundredths as fractions<br>I can recognise hundredths as decimals<br>I can place hundredths on a place value chart<br>I can divide 1- or 2 digit numbers by 100<br><br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning: 5.7</span><br><span style="color:green">Links: Science - states of matter</span><br>**4.7 - Length and Perimeter (2 weeks)**<br>I can measure in kilometres and metres<br>I can find equivalent lengths (kilometres and metres)<br>I can find perimeter on a grid<br>I can find the perimeter of a rectangle<br>I can find the perimeter of rectilinear shapes<br>I can find missing lengths in rectilinear shapes<br>I can calculate perimeter of rectilinear shapes<br>I can find the perimeter of regular polygons<br>I can find the perimeter of polygons<br><br><span style="color:red">Prior Learning: 3.6</span><br><span style="color:blue">Future Learning: 5.8</span><br><span style="color:green">Links: Roman Catapults DT</span><br><br>**Consolidate and gap filling/QLA analysis (1 week)** | **4.8- Multiplication and Division (2 weeks- consolidation)**<br>I can solve multiplication calculations<br>I can solve multiplication word problems<br>I can solve division calculations<br>I can solve division word problems<br>I can solve two and three step problems<br><br><span style="color:red">Prior Learning: 3.3, 3.4</span><br><span style="color:blue">Future Learning: 5.3, 5.8</span><br><span style="color:green">Links:</span><br><br>**4.9 - Decimals B (2 weeks)**<br>I can make a whole with tenths<br>I can make a whole with hundredths<br>I can partition decimals<br>I can compare decimals<br>I can order decimals<br>I can round to the nearest whole numbers<br>I can recognise halves and quarters as decimals<br><br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning: 5.7</span><br><span style="color:green">Links: Science - states of matter</span><br><br>**Addition and subtraction (1 week) consolidation)**<br>I can add 2 4-digit numbers – no exchange<br>I can add 2 4-digit numbers – with one exchanging<br>I can subtract 2 4- digit numbers – no exchange<br>I can subtract 2 4 - digit numbers – with exchanging<br>I can solve two – step problems<br><br><span style="color:red">Prior Learning: 3.2</span><br><span style="color:blue">Future Learning: 5.1, 5.2</span><br><span style="color:green">Links:</span><br><br>**4.10 – Money (1 week)**<br>I can write money using decimals<br>I can convert between pounds and pence<br>I can compare amounts of money<br>I can estimate with money<br>I can calculate with money<br>I can solve problems with money<br><br><span style="color:red">Prior Learning: 3.9, 3.10</span><br><span style="color:blue">Future Learning: 5.11</span><br><span style="color:green">Links:</span><br><br>**Assessment/<br>4.11 Time (1 weeks)**<br>I recognise tears, months, weeks and days<br>I recognise hours, minutes and seconds<br>I can convert to the 24- hour clock<br>I can convert from the 24- hour clock<br><span style="color:red">Prior Learning: 3.10</span><br><span style="color:blue">Future Learning: 5</span><br><span style="color:green">Links:</span> | **4.12- Shape (1 weeks)**<br>I can understand angles as turns<br>I can identify angles<br>I can compare and order angles<br>I can recognise triangles<br>I can recognise quadrilaterals<br>I can recognise polygons<br>I can find lines of symmetry<br>I can complete a symmetric figure<br><br><span style="color:red">Prior Learning: 3.11</span><br><span style="color:blue">Future Learning: 5.14</span><br><span style="color:green">Links: Art - Mosaics, Art - Printing</span><br><br>**4.13- Statistics (1 week)**<br>I can interpret charts<br>I can show understanding of comparison sum and difference<br>I can interpret line graphs<br>I can draw line graphs<br><br><span style="color:red">Prior Learning: 3.12</span><br><span style="color:blue">Future Learning: 5.12</span><br><span style="color:green">Links: Science, States of matter (graphing) Geography, Amazon (graphing)</span><br><br>**4.14- Position and Direction (1 weeks)**<br>I can describe position using co- ordinates<br>I can plot co- ordinates<br>I can draw 2-D shapes on a grid<br>I can translate on a grid<br>I can describe translation on a grid<br><br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning: 5.13</span><br><span style="color:green">Links: Geography, The USA (map skills)</span><br>**QLA ready for Y5 Gap teaching (2 weeks)** |

| Year 5 | | | | | | |
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| | **5.1- Place Value (3 weeks)**<br>I can recognise Roman numerals to 1,000<br>I can show understanding and represent numbers to 10,000<br>I can show understanding and represent numbers to 100,000<br>I can show understanding and represent numbers to 1,000,000<br>I can find powers of 10<br>I can find 10/100/1,000, 10,000/100,000 more or less<br>I can partition numbers to 1,000,000<br>I can use the number line to 1,000,000<br>I can compare and order numbers to 100,000<br>I can compare and order numbers to 1,000,000<br>I can round to the nearest 10, 100, 1,000<br>I can round within 100,000<br>I can round within 1,000,000<br><span style="color:red">Prior Learning: 4.1</span><br><span style="color:blue">Future Learning: 6.1</span><br>**5.2- Addition and subtraction (2 weeks)**<br>I can use mental strategies<br>I can add whole numbers with more than four digits<br>I can subtract whole numbers with more than four digits<br>I can round to check answers<br>I can use the inverse operations ( addition and subtraction )<br>I can solve multi- step addition and subtraction problems<br>I can compare calculations<br>I can find missing numbers<br><br>**Assessment week**<br><span style="color:red">Prior Learning: 4.2</span><br><span style="color:blue">Future Learning: 6.2</span><br><br><span style="color:green">Links: Science - Earth in Space</span> | **5.3- Multiplication and Division (3 weeks)**<br>I can recognise multiples<br>I can find common multiples<br>I can find factors<br>I can find common factors<br>I can recognise and find prime numbers<br>I can recognise and find square numbers<br>I can recognise and find cube numbers<br>I can multiply by 10. 100, and 1,000<br>I can divide by 10, 100 and 1,000<br>I can find multiples of 10, 100 and 1,000<br><span style="color:red">Prior Learning: 4.3,4.4,.4.8</span><br><span style="color:blue">Future Learning: 5.5, 6,2</span><br>**5.4- Fractions A (4 weeks)**<br>I can find fractions equivalent to a unit fraction<br>I can find fractions equivalent to a non- unit fraction<br>I can recognise equivalent fractions<br>I can convert improper fraction to mixed numbers<br>I can convert mixed numbers to improper fractions<br>I can compare fractions less than 1<br>I can order fractions less than 1<br>I can compare and order fractions greater than 1<br>I can add and subtract fractions with the same denominator<br>I can add fractions within 1<br>I can add fractions with total greater than 1<br>I can add to a mixed number<br>I can add two mixed numbers<br>I can subtract fractions<br>I can subtract from a mixed number<br>I can subtract from a mixed number – breaking the whole<br>I can subtract two mixed numbers<br><span style="color:red">Prior Learning: 4.5</span><br><span style="color:blue">Future Learning: 5.6, 6.5</span><br><br><span style="color:green">Links:</span> | **5.5- Multiplication and Division (3 weeks)**<br>I can multiply up to a 4- digit number by a 1-digit number<br>I can multiply a 2-digit number by a 2-digit number (area model)<br>I can multiply a 2-digit number by a 2-digit number<br>I can multiply a 3-digit number by a 2-digit number<br>I can multiply a 4-digit number by a 2-digit number<br>I can solve problems with multiplication<br>I can solve short division<br>I can divide a 4- digit number by a 1-digit number<br>I can divide with remainders<br>I can use efficient methods to divide<br>I can solve problems with multiplication and division<br><span style="color:red">Prior Learning: 4.3, 4.4, 4.8, 5.3</span><br><span style="color:blue">Future Learning: 6.2</span><br><br>**5.6- Fractions B (2 weeks)**<br>I can multiply a unit fraction by an integer<br>I can multiply a non – unit fraction by an integer<br>I can calculate a fraction of a quantity<br>I can find a fraction of an amount<br>I can find the whole<br>I can use fractions as operators<br>**Assessment**<br><span style="color:red">Prior Learning: 4.5, 5.4</span><br><span style="color:blue">Future Learning: 6.5</span><br><br><span style="color:green">Links:</span> | **5.7- Decimals and Percentages (3 weeks)**<br>I can show understanding of decimals up to 2 decimal places<br>I can find equivalent fractions and decimals (tenths)<br>I can find equivalent fractions and decimals (hundredths)<br>I can find equivalent fractions and decimals<br>I can recognise thousands as fractions<br>I an recognise thousandths as decimals<br>I can place thousandths on a place value chart<br>I can order and compare decimals (same number of decimal places)<br>I can order and compare any decimals with up to 3 decimal places<br>I can round to the nearest whole number<br>I can round to 1 decimals place<br>I can understand percentages<br>I can find percentages as fractions<br>I can find percentages as decimals<br>I can find equivalent fractions, decimals and percentages<br><span style="color:red">Prior Learning: 4.6, 4.9</span><br><span style="color:blue">Future Learning: 5.9, 6.7</span><br><br>**5.8- Perimeter and area (2 weeks)**<br>I can find perimeter of rectangles<br>I can find perimeter of rectilinear shapes<br>I can find perimeter of polygons<br>I can find area of rectangles<br>I can find area of compound shapes<br>I can estimate area<br>**QLA Gap Teaching- Consolidation**<br><span style="color:red">Prior Learning: 4.7</span><br><br><span style="color:blue">Future Learning:</span><br><br><br><span style="color:green">Links:</span> | **5.8- Shape (2 weeks)**<br>I can understand and use degrees<br>I can classify angles<br>I can estimate angles<br>I can measure angles up to 180 degrees<br>I can draw lines and angles accurately<br>I can calculate angles around a point<br>I can calculate angles on a straight line<br>I can measure lengths and angles in shapes.<br>I can recognise regular and irregular polygons<br>I can recognise 3D shapes<br><span style="color:red">Prior Learning: 4.12</span><br><span style="color:blue">Future Learning: 6.13</span><br><br>**5.9- Decimals (3 weeks)**<br>I can use known facts to add and subtract decimals within 1<br>I can find complements to 1<br>I can add and subtract decimals across 1<br>I can add decimals with the same number of decimal places<br>I can add decimals with different numbers of decimal places<br>I can subtract decimals with different numbers of decimal places<br>I can use efficient strategies for adding and subtracting decimals<br>I can show understanding of decimal sequences<br>I can multiply by 10, 100 and 1,000<br>I can divide by 10, 100 and 1,000<br>I can multiply and divide decimals – missing values<br><span style="color:red">Prior Learning: 4.6, 4.9, 5.7</span><br><span style="color:blue">Future Learning: 6.7</span><br><br>**5.10- Negative Numbers (1 week)**<br>I can understand negative numbers<br>I can count through zero in 1s<br>I can count through zero in multiples<br>I can compare and order negative numbers<br>I can find the difference<br><span style="color:red">Prior Learning: ???</span><br><span style="color:blue">Future Learning:  ???</span><br><br>**Assessment week**<br><br><span style="color:green">Links: DT – Bug Hotels</span> | **5.11 – Converting Units (2wks)**<br>I can show understanding of kilograms and kilometres<br>I can show understanding of millimetres and millilitres<br>I can convert units of length<br>I can convert between metric and imperial units<br>I can convert units of time<br>I can calculate with timetables<br><span style="color:red">Prior Learning: 4.7, 4.10</span><br><span style="color:blue">Future Learning: 6.9</span><br><br>**5.12-Statistics (1 week)**<br>I can draw line graphs<br>I can read and interpret line graphs<br>I can read and interpret tables<br>I can use two- way tables<br>I can read and interpret timetables<br><span style="color:red">Prior Learning: 4.13</span><br><span style="color:blue">Future Learning: ????</span><br><br>**5.13- Position Direction (1.5 weeks)**<br>I can read and plot coordinates<br>I can problem solve with coordinates<br>I can show understanding of translation<br>I can show understanding of translation with coordinates<br>I can find lines of symmetry<br>I can show understanding of reflection in horizontal and vertical lines.<br><span style="color:red">Prior Learning: 4.14</span><br><span style="color:blue">Future Learning: 6.12</span><br><br>**5.14- Volume (1 week)**<br>I can show understanding of cubic centimetres<br>I can compare volume<br>I can estimate volume<br>I can estimate capacity<br><span style="color:red">Prior Learning: ???</span><br><span style="color:blue">Future Learning: ????</span><br><br>**Ready for Year 6 QLA Gap Teaching- Consolidation**<br><br><span style="color:green">Links: Art – Islamic Patterns<br>Science – Getting Older</span> |

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| Year 6 | **6.1- Place Value (2 weeks)**<br>I can recognise numbers to 1,000,000<br>I can recognise numbers to 10,000,000<br>I can read and write numbers to 10,000,000<br>I can find powers of 10<br>I can use a number line to 10,000,000<br>I can compare and order any integers<br>I can round any integer<br>I can show understanding of negative numbers<br><br>Additional<br><span style="color:red">Prior Learning: 5.1 place value<br>5.10 negative numbers</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span><br><br>**6.2- Addition, Subtraction, multiplication and division (3weeks)**<br>I can add and subtract integers<br>I can find common factors<br>I can find common multiples<br>I can show understanding of the rules of divisibility<br>I can recall primes to 100<br>I can find square and cube numbers<br>I can multiply up to a 4 – digit number by a 2- digit number<br>I can solve problems with multiplication<br><br>Additional<br><span style="color:red">Prior Learning: 5.2 Addition and subtraction<br>5.3 Multiplication and division</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span><br><br>**6.4- Fraction A (1 week)**<br>I can solve shot division<br>I can solve division using factors<br>I can show understanding of long division<br>I can solve long division calculations with remainders<br>I can solve problems with division<br>I can solve multi- step problems<br>I can show understanding of order of operations<br>I can solve mental calculations and estimate<br>I can reason from known facts<br><br>Additional<br><span style="color:red">Prior Learning: 5.4 and 5.6 fractions</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span> | **6.5- Fractions B(3.5 weeks)**<br>I can find equivalent fractions and simplify<br>I can find equivalent fractions on a number line<br>I can compare and order (denominator)<br>I can compare and order (numerator)<br>I can add and subtract simple fractions<br> I can add and subtract any two fractions<br>I can add mixed numbers<br>I can subtract mixed numbers<br>I can solve multi- step problems<br>I can multiply fractions by integers<br>I can multiply fractions by fractions<br>I can divide a fraction by an integer<br>I can divide any fraction by an integer<br>I can solve mixed questions with fractions<br>I can find a fraction of an amount<br>I can find a fraction of an amount – find the whole<br><br>Additional<br><span style="color:red">Prior Learning: 5.4 and 5.6 fractions</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span><br><br>**6.7- Decimals & Percentages (3.5 weeks)**<br><br><br>Additional<br><span style="color:red">Prior Learning: 5.7 and 5.9 decimals and percentages</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span> | **6.8- Ratio (2 weeks)**<br>I can solve problems and explore the fact that the relationships between two numbers can be expressed additively or multiplicatively<br>I can use ration language<br>I can sow understanding of the ratio symbol<br>I can see the relationship between ratio and fractions<br>I can show understanding of scale drawings<br>I can use scale factors<br>I can recognise similar shapes<br>I can solve ratio problems<br>I can solve proportion problems<br>I can apply my knowledge of ratio and proportion to solve problems<br><br>Additional<br>Statistics - Pie Charts Measurements (1 week)<br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span><br><br>**6.9- Measurements- converting units (2 weeks)**<br>I can recognise metric measures<br>I can convert metric measures<br>I can calculate with metric measures<br>I can recognise miles and kilometres<br>I can recognise and understand imperial measures<br><br>Additional<br>Statistics - Pie Charts Measurements (1 week)<br><span style="color:red">Prior Learning: 5.11 Converting units</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span><br><br>**6.10 - Algebra (2 weeks)**<br>I can use 1-step function machines<br>I can use 2- step function machines<br>I can form expressions<br><br>Additional<br>Statistics - Pie Charts Measurements (1 week)<br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span> | **6.11- Number (1 week)**<br><br>**6.12- Geometry – position and direction ( m /1week)**<br><br><span style="color:red">Prior Learning: 5.13 position and direction</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span><br><br><br>**6.13- Geometry – Shapes (3 weeks)**<br><br><br>Additional<br>Circles<br>Averages<br><span style="color:red">Prior Learning: 5.14 shape</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span> | **Revision and Recapping of topics ahead of SATs**<br><br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span> | **Consolidation for end of y6 and Themed Projects**<br><br><span style="color:red">Prior Learning:</span><br><span style="color:blue">Future Learning:</span><br><span style="color:green">Links:</span> |