Year 2 Maths Overview

Term 1

Block 1 **Place Value** (4 Weeks)	NSM – Y1 recap	Block 2 **Addition and Subtraction** (5 Weeks)	NSM – Y1 recap, make 10 and then	Block 3 **Multiplication and Division** (4 Weeks)	NSM – make 10 and then + and - Fractions

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Term 2

Block 4 **Fractions** (5 Weeks)	NSM – doubles/near doubles Money	Block 5 **Money** (3 weeks)	NSM – strategy selection Measure	Block 6 **Measure** (Length, Capacity, Mass) (3 weeks)	NSM – calculating with multiples of 10, 2 digit numbers	Block 7 **Four operations application**	NSM – make next/ previous 10 and then Shape

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Term 3

Block 8 **Shape & Position and Direction** (5 weeks)	Time	Block 9 **Time** (2 weeks)	NSM – consolidation Revisit based on AfL	Block 10 **AfL (from assessment)**	NSM – consolidation Revisit based on AfL

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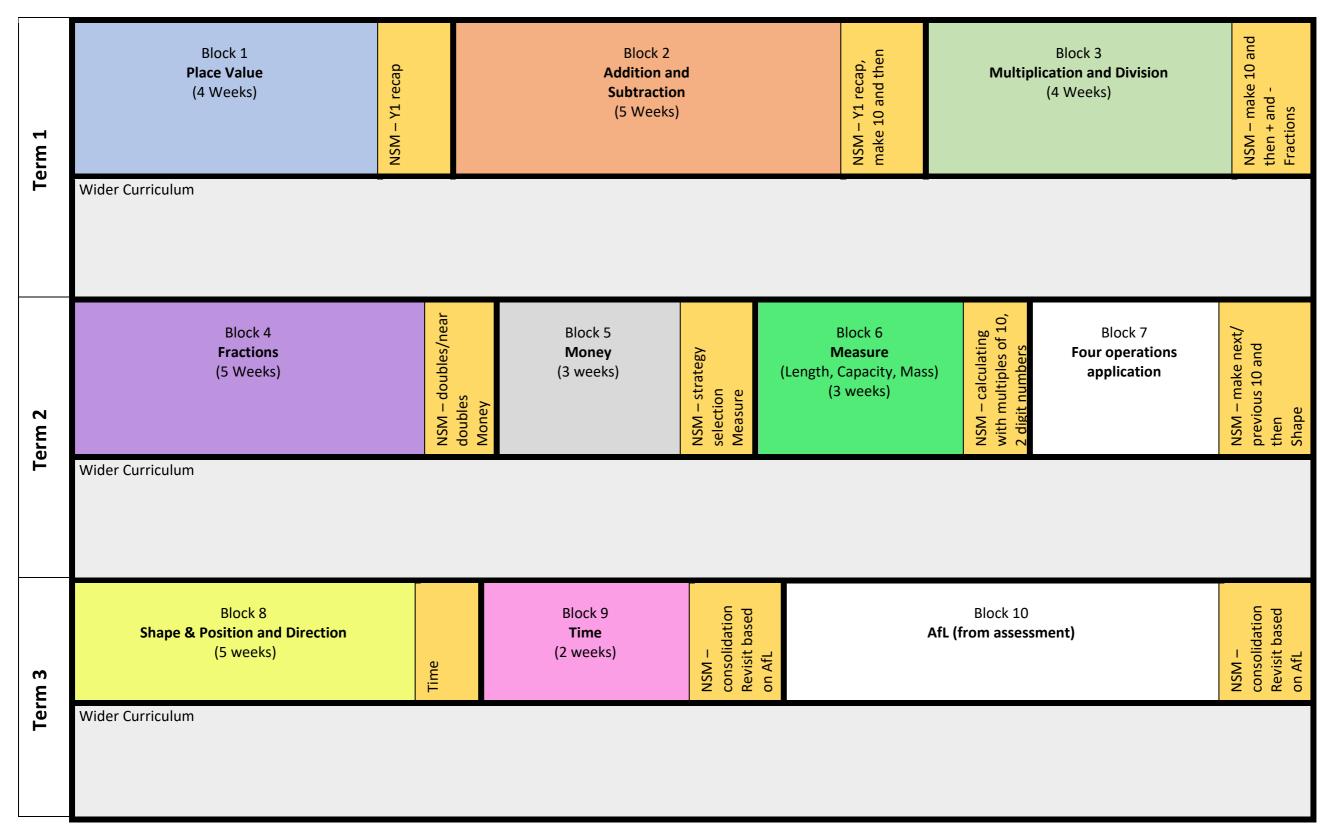
NB. There will be an assessment week within each term as well.

Declarative knowledge – highlight is new knowledge that year

Year 2: Block 1 (Place Value)

Place Value Objectives (Small Steps)	Links to Wider Curriculum
1) Recognise tens and ones in numbers up to 100 2) Partition numbers to 100 3) Write numbers up to 100 in words 4) Flexible Partitioning 5) 10s and 1s on the number line up to 100 6) Estimate numbers on a number line 7) Compare and order numbers 8) Reasoning and problem solving within place value (1 week)	

Year 2: Block 2 (Addition and Subtraction)

Declarative Knowledge
Number Neighbours
7 Tree 9 Square
Ten and a Bit
Make ten and then (addition)

Addition and Subtraction Objectives

1) Add and subtract 1s
2) Add by making 10
3) Add three 1-digit numbers (including across a ten)
4) Subtract a 1-digit number from a 2-digit number (across a 10)
5) Add and subtract 10s (including 10 more and 10 less)
6) Add two 2-digit numbers (not across a 10)
7) Add two 2-digit numbers (across a 10)
8) Subtract two 2-digit numbers (not across a 10)
9) Subtract two 2-digit numbers (across a 10)
10) 10) Reasoning and problem solving within addition and subtraction (1 week)

Links to Wider Curriculum

Year 2: Block 3 (Multiplication and Division)

Declarative Knowledge
Make ten and then: Addition
Make ten and then: subtraction

A fraction is an equal part of a whole
I know that a numerator shows how many parts of the whole are needed
I know that a denominator is how many equal parts are in the whole
A unit fraction is a fraction where the numerator is 1
A non-unit fraction is a fraction where the numerator is greater than 1
Equivalent fractions are 2 or more fractions that are all equal even though they have different numerators and denominators

Multiplication and Division Objectives	Links to Wider Curriculum
1) Recognise and make equal groups 2) Add equal groups and introduce the multiplication symbol 3) Use arrays for multiplication (focus on 2s, 5s and 10s) 4) Make equal groups by grouping 5) Make equal groups by sharing 6) Use arrays for division (focus on 2s, 5s and 10s) 7) Reasoning and problem solving within multiplication and division (1 week)	

Year 2: Block 4 (Fractions)

Fractions Objectives	Links to Wider Curriculum
1) Introduction to parts and wholes 2) Equal and unequal parts 3) Recognise and find a half (including equal parts) 4) Recognise and find a quarter 5) Recognise and find a third 6) Making a unit fraction 7) Making a non-unit fraction 8) Equivalence of ½ and 2/4 9) Recognise and find three quarters 10) Reasoning and problem solving within fractions (1 week)	

Year 2: Block 5 (Money)

Money Objectives	Links to Wider Curriculum
1) Counting amounts of money using pence, pounds and notes. 2) Make the same amount in different ways, including making a £1. 3) Compare amounts of money 4) Add different amounts of money 5) Find change 6) Reasoning and problem solving within money (1 week)	

Year 2: Block 6 (Measures, including Length, Mass and Capacity)

Measures, including length, mass and capacity objectives	Links to Wider Curriculum
1) Read scales in 1s, 2s ,5s and 10s 2) Measure in cm and m. 3) Compare and order lengths 4) Measure in grams and kilograms 5) Compare and order mass 6) Measure in litres and millilitres 7) Compare volume and capacity 8) Reading scales on a thermometer (1s, 2s, 5s and 10s) 9) Reasoning and problem solving within measures (1 week)	

Year 2: Block 7 (Four Operations Application)

Declarative Knowledge
Make the Next Ten and Then
Make the Previous Ten and Then

A 2d shape is flat and has 2 dimensions- height and width
A 3d shapes has 3 dimensions- height, width and depth
In a 2d shape a vertex/vertices is the point where two sides meet
In a 2d shape a side is a line that joins two vertices
In a 3d shape a vertex/vertices is the point where two or more edges meet
In a 3d shape an edge is a line that joins two or more faces
A face is a flat or curved surface of a 3d shape
Properties (sides and vertices) of circle, triangle, square, rectangle, pentagon, hexagon
Properties (faces, edges, vertices) of sphere, triangular prism, cube, cuboid, cylinder, pyramid

Four Operations Application Objectives	Links to Wider Curriculum

Year 2: Block 8 (Shape, Position and Direction)

Declarative Knowledge

There are seven days in a week- Monday, Tuesday, Wednesday, Thursday, Friday
There are 12 months in a year: January, February, March, April, May, June, July, August, September, October, November, December
A clock tells the time
There are 24 hours in a day
The big hand is the hour hand
The little hand is the minute hand
The hands move clockwise
A minute is composed of 60 seconds
An hour is composed of 60 minutes

Shape, Position and Direction Objectives	Links to Wider Curriculum
1) Recognise different 2D and 3D Shapes (1 lesson) 2) Count sides and vertices on a 2D shape 3) Lines of symmetry on shapes 4) Use lines of symmetry to complete shapes 5) Draw 2D shapes (1 lesson) 6) Count faces, edges, vertices on 3D shapes 7) Language of position 8) Describe movement 9) Describe turns 10) Reasoning and problem solving within shape, position and direction (inc sort 2D & 3D shapes and making patterns with shapes) (1 week)	

Year 2: Block 9 (Time)

Time Objectives	Links to Wider Curriculum
1) O'clock and half past 2) Quarter past and quarter to 3) Tell the time past the hour 4) Tell the time to the hour 5) Find and compare durations of time 6) Reasoning and problem solving within time (1 week)	

Year 2: Block 10 – Based on assessment

	Links to Wider Curriculum
Either; Re-teaching following assessment analysis Or; Opportunity to apply within broader curriculum	

Maths Objectives to be covered in the wider curriculum

The below objectives need to be taught or revisited at some point in the year through the Year 4 broader curriculum.

Teach
Statistics
Revisit