EYFS Maths Long Term Overview and Fluency (Mastering Number) Plan – 2023-24

At Preston Primary School, we want our Foundation children to have a deep understanding of numbers up to 10. We not only want them to understand the sequence (order) of numbers, but also concepts such as more, less, doubles, sharing and composition.

Composition of number is understanding that one number can be made up from (composed from) two or more smaller numbers, for example, number bonds of 6 are: 5 and 1, 4 and 2, 3 and 3. It is also knowing that it can be made up from more than 2 parts, e.g. 2+2+2, or 3+2+1. Composition is crucial in starting to understand addition and subtraction and their inverse relationship, for example, if you have learned that 2+3=5, then you also know that 3+2=5 and 5-2=3, without having to learn them as new facts.

In the Foundation Stage, we use a variety of models and manipulatives including five frames, tens frames, part/whole models, and Numicon, to explore the composition of numbers.

We also teach our children how to subitise as an efficient way of counting. Subitising is **the ability to look at a small number of objects and instantly recognise how many objects there are without needing to count.**

Each week, we will also have a lesson based on Spatial Awareness. This will cover topics such as positional language, routes and maps, visualisation, patterns, and tangrams.

Autumn 1	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
	'Getting to know you'. Learn key times of the day & class routines, eg visual timetable, where things belong, tidy up routine, positional language, lining up counting. **Tens frames and self-registration**		**Matching, comparing and sorting.** (Same/different, matching games, size/shape/pattern/colour.) **More, greater, less, fewer, equal.**			**Part, whole of objects.**
Autumn 2	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
	Composition of number – 0 and 1	**Composition of number – 2. Pairs.**		**Composition of number – 3.**	**Composition of number – 4.**	**Review and assess**
Spring 1	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
	Composition of number – 5.		**Composition of number – 6.**		**Geometry - 2D shape**	**Geometry - 3D shape**
Spring 2	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
	Composition of number – 7.		**Composition of number – 10.**		**Measure - Length and Height**	**Review and assess**
Summer 1	**Week 1**	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
	Composition of number – 9.		**Composition of number – 8.**		**Measure - Capacity and Weight**	**Review and assess**
	Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**

Summer 2	**Addition and Subtraction**	**Sharing**	**Doubles and halves**	**Odds & Evens**	**Review and assess**	**Review and assess**

Maths Long Term Plan 2023-24 Year 1

This overview is based on Maths - No problem! Primary Maths Series and outlines the national curriculum topics covered during the school year in year 1.

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Number and Place Value: Numbers to 10 **1PV-1**	Addition and Subtraction Numbers to 10	Number and Place Value Numbers to 20	Number and Place Value Numbers to 40	Fractions	Number and Place Value Numbers to 100
2	Number and Place Value Numbers to 10	Geometry Position and Direction	Addition and Subtraction Numbers to 20	Addition and Subtraction Numbers to 40	Measurement Mass	Number and Place Value: Numbers to 100
3	Number and Place Value Numbers to 10	Number and Place Value Numbers to 20 **1NPV-2**	Addition and Subtraction Numbers to 20	Multiplication **1NF-2**	Measurement Volume and Capacity	Geometry 2D Shape **1G-1**
4	Addition and Subtraction Numbers to 10 **1NF-1**	Number and Place Value Numbers to 20	Geometry -properties of Shape Shapes and Patterns	Multiplication	Measurement Time	Geometry 2D shape **1G-2**
5	Addition and Subtraction Numbers to 10 **1AS-1/2**	Number and Place Value Numbers to 20	Measurement Length and Height	Division	Measurement Time	Measurement Money
6	Addition and Subtraction Numbers to 10	Number and Place Value Numbers to 20	Number and Place Value Numbers to 40	Fractions PUMA	Number and Place Value Numbers to 100	Measurement Money PUMA
7	Addition and Subtraction - Numbers to 10					Revisit number and place value to 100
8						Revisit number and place value to 100

Maths Long Term Plan 2023-24 Year 2

This overview is based on Maths - No problem! Primary Maths Series and outlines the national curriculum topics covered during the school year in year 2.

Week 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Place value Counting within 100	subtraction within 20 - through 10	Multiplication 10s and 5s	2d shape	Fractions – What is a fraction? Recognising halves	Time – revision O clock Half past
2	Place value - numbers to 100 one more and less over tens boundary ten more ten less	Addition A 1 digit number to a 2 digit number	Multiplication – 5s and 2s	2d shape	Fractions Quarters Equivalence with halves.	Time Quarter past and quarter to
3	Place value - partitioning / number lines	Addition A 2 digit number to a 2 digit number	Division – grouping Putting into groups of 2, 5 and 10	3d shape	Fractions Thirds	Time To 5 minute intervals
4	Place value - partitioning / comparing numbers / counting patterns	Addition A 2 digit number to a 2 digit number – bridging the 10s boundary	Division – sharing Sharing between 2, 5 and 10	Money – naming coins and notes	Fractions of amounts	Graphs
5	Place value - odds and evens, number counting patterns	Subtraction 1 digit from a 2 digit	Measure - length – CM and M	Money – counting an amount	Measure - temperature	Position and movement
6	addition within 20 – within 10	Subtraction 2 digit from a 2 digit	Measure - mass G and KG	Money – solving money problems	Measure - volume ML and L	Position and movement
7	addition within 20 - bridging 10 – make 10 strategy	Subtraction 2 digit from a 2 digit bridging through 10				Transition to Y3
8						

Maths Long Term Plan 2023-24 Year 3

This overview is based on Maths - No problem! Primary Maths Series and outlines the national curriculum topics covered during the school year in year 3.

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Place value numbers to 100	Addition Column addition	Subtraction Column subtraction	Measurement Mass	Measurement Time	Statistics Bar graphs/pictograms
2	Place value Numbers to 1000	Addition Column addition	Multiplication Number x facts – 10, 5, 2's and 3's Number facts – 4 and 8.	Measurement Volume	Measurement Time	Statistics Bar graphs/pictograms
3	Place value Numbers to 1000	**14th Nov** Subtraction Complements to 100 3AS-1	Multiplication Multiplying 2-digit numbers	Measurement Length	Fractions Fractions within 1 in the linear number system/ counting in tenths	Geometry 2D/3D shape
4	Place value to 1000	Subtraction Subtracting 1, 10 and 100 from 3-digit numbers	Multiplication Multiplying 2-digit numbers	Measurement Money PUMA	Fractions Equivalence	Geometry Angles/parallel and perpendicular lines PUMA
5	Addition Adding 1, 10 or 100 to a 3-digit number	PUMA Subtraction Column subtraction	Division Dividing 2-digit numbers	Measurement Money	Fractions Comparing fractions	Perimeter
6	Addition Complements to 100	Subtraction Column subtraction	Division Dividing 2-digit numbers	Measurement Time	Fractions	Perimeter
7	Addition Column addition					Consolidation
8						Consolidation

Maths Long Term Plan 2023-24 Year 4

This overview is based on Maths - No problem! Primary Maths Series and outlines the national curriculum topics covered during the school year in year 4.

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Number and place value Counting in 100's, 1000's and 25's	Subtraction Subtracting 1, 10, 100 and 1000 from 4-digit numbers	Division facts of 7's, 8's and 12's partitive and quotative	Fractions Equivalence	Measurement Time	Measurement Area of figures
2	Number and place value Recognise the PV in a 4-digit number	Subtraction – mental strategies. Two 4-digit numbers, no and one exchange	Multiplying and dividing whole numbers by 10 and 100	Fractions Mixed fractions in the linear number system	Measurement Money	Measurement Area of figures
3	Number and place value to 10,000 Comparing and ordering	Subtraction Two 4-digit numbers no more than one exchange	Multiplication Multiples of 10, 100 Scaling	Fractions Convert mixed number fractions and improper fractions 4F-2	Measurement Money	Geometry Property of shape 4G-1
4	Number and place value to 10,000 Rounding	Multiplication Number x facts 3's, 6's and 9's and commutativity distributive property	Multiplication of 2- and 3-digit numbers by a 1-digit number.	Add and subtract improper fractions and mixed numbers. 4F-3	Measurement Mass, Volume and Length	Geometry Property of shape 4G-2 PUMA
5	Addition Adding 1, 10, 100 or 1000 to a 4-digit number	Multiplication Number facts 7's, 8's and 12's commutativity/distributive property PUMA	Division of a 2 and 3-digit number by a 1-digit number.	Decimals PUMA	Measurement Mass, Volume and Length	Geometry Property of shape/position and direction 4G-3
6	Addition Two 4-digit numbers no/no and one exchange	Division Number facts of 3's, 6's and 9's partitive and quotative division	Statistics Graphs	Decimals	Measurement Mass, Volume and Length	Geometry Position and direction
7	Addition Two 4-digit numbers – one and more exchange					Number and Place Value Roman Numerals
8						Consolidation

Maths Long Term Plan 2023-24 Year 5

This overview is based on Maths – No problem! Primary Maths Series and outlines the national curriculum topics covered during the school year in year 5.

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	**Numbers to 1,000,000** Read and represent numbers to 1,000,000 Compare numbers to 1,000,000	**Multiplication and Division** Finding square & cubed numbers/ multiplying by 10,100 & 1,000/ multiplying 2 and 3 digit by single digit	**Statistics- Graphs** Reading line graphs/ consolidation	**Decimals** Comparing / write fractions as decimals/ adding/subtract decimals	**Geometry- position and movement** Plotting points/ describing translations/ reflections/ consolidation	**Measurement- area & Perimeter** Measuring & estimating area/ consolidation
2	**Numbers to 1,000,000** Compare numbers to 1,000,000 Making Number patterns	**Multiplication and Division** multiplying 4 digit numbers/ multiplying a 2-digit by a 2-digit	**Fractions** Diving to make fractions/ writing mixed number & improper/ finding equivalent/ compare & order	**Decimals** Adding and subtracting decimals/ Rounding Decimals/ consolidation	**Geometry- position and movement** describing reflections/ successive reflections/ consolidation	**Measurement- volume** Finding volume of cuboids/ liquids
3	**Numbers to 1,000,000** Rounding Numbers to the nearest 10,000 and 100,000 Consolidation	**Multiplication and Division** Multiplying 2-digit by 2- digit/ multiplying 3-digit by 2-digit	**Fractions** Comparing and ordering mixed numbers/ making number pairs/ adding fractions	**Percentages** Writing/ Finding Equivalents/ Comparing proportions/ consolidation	**Measurement-** Converting units of length/ mass	**Measurement- volume** Finding Volume of liquids
4	**Addition and Subtraction** Counting on to add/ adding within 1,000,000	**Multiplication & Division** Dividing by 10/100 /1,000/ dividing with and without remainder/ consolidation	**Fractions** Subtracting fractions/ multiplying whole numbers by proper fractions	**Geometry- properties of shape** Knowing angles/ measuring & investigating angles	**Measurement-** Converting units of volume and time/ imperial and metric/ word problems/ temperature/ consolidate	**Measurement- volume** Converting units/ word problems
5	**Addition and Subtraction** Counting backwards to subtract/ Subtracting within 1,000,000	**Multiplication & Division- Word problems** Solving word multiplication and division problems	**Fractions** Multiplying proper fractions & whole numbers/ multiplying mixed numbers & whole numbers/ consolidation	**Geometry- properties of shape** Drawing angles & lines/ investigating angles in squares and rectangles	**Measurement- area & Perimeter** finding perimeter/ measuring area	**Number & place value- Roman numerals**- writing numerals/ years
6	**Addition and Subtraction** adding and subtracting within/ consolidation	**Multiplication & Division- Word problems** multi-step problems/ consolidation	**Decimals** Reading and writing decimals/ comparing	**Geometry- properties of shape** Solving problems/ regular and irregular polygons/ consolidation	**Measurement- area & Perimeter** measuring area	**Review and Revision:**
7	**Multiplication and Division** Finding multiples/ factors/ prime	**Statistics- Graphs** Reading line graphs/ consolidation				**Review and Revision:**
8		Revision				

Maths Long Term Plan 2023-24 Year 6

This overview is based on Maths - No problem! Primary Maths Series and outlines the national curriculum topics covered during the school year in year 6.

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Number and Place Value Numbers to 10 million	Multiplication and Division	Fractions Multiply and divide fractions	Percentages	MOCK SATS (2023)	Problem solving – ready for year 7
2	Number and Place Value Numbers to 10 million	Multiplication and Division	Decimals	Percentages	Measurements Area and Perimeter and volume	Problem solving – ready for year 7
3	Number and Place Value Numbers to 10 million Rounding	Multiplication and Division	Decimals	Ratio and proportion	Statistics Graphs and averages	Problem solving – ready for year 7
4	Addition and Subtraction	Factors, Multiples, and prime numbers	Decimals	Ratio and proportion	Geometry Property of shape Negative Numbers	Problem solving – ready for year 7
5	Addition and Subtraction	Fractions Simplify/ compare/order fractions	Measurements Converting measurements	Algebra	SATS	Problem solving – ready for year 7
6	MOCK SATS (2019)	Fractions Add and subtract fractions	MOCK SATS (2022)	Algebra	Position and movement	Review and revisit
7	Multiplication and Division	Fractions Multiply fractions				Review and revisit
8						