



Year 3 Maths Long Term Overview: Curriculum Prioritisation

Rationale

This overview is designed to run alongside the White Rose Schemes of Learning (Version 3.0) found [here](#). However, these have been adapted to provide greater priority to core areas of the curriculum and the [DFE ready to progress criteria](#). Where small steps are directly or indirectly related to [DFE ready to progress criteria](#) this is identified with a reference such as **(NPV-1)**, teachers can use these to refer to the document for additional planning support. Term lengths may vary but for the purposes of this document they are seven weeks (Autumn 1, 2 and Summer 2) and six weeks (Spring 1, 2 and Summer 1).

They are fully editable and should be used as a starting point. Where small steps are deemed as essential or foundational knowledge, they have been given a suggested two-sessions to provide time for children to fully understand these concepts. **It is important to point out that there is not a designed small step for every day in certain weeks meaning teacher have room to consolidate or lengthen out other small steps not identified.** When two sessions are offered, there are different options:

- 1) First session can be more practical in nature before the workbook is explored
- 2) First session can focus solely on the fluency – this is especially useful for operational lessons where you want children to do repeated examples
- 3) You could simply use alternation to break small steps up. I do, you do, we do for the first part of the workbook with additional questions (fluency) before moving onto the more varied and complex questions the following day.
- 4) They can simply be used as buffers for essential concepts that many children struggled with, Higher attaining children can always be given additional reasoning and problem solving to attempt.

Individual considerations Y3:

- Length and perimeter have been split up to help consolidate operations
- Place value and addition and subtraction have been lengthened by two weeks each due to the essential nature of column methods and RTP criteria relevance. Multiplication and division B has also been lengthened by a week.
- Although essential, multiplication tables sessions are not lengthened out as there should be a program of daily teaching and practice in place
- There are consolidation steps in place for addition and subtraction at the beginning of summer 1
- The time unit has been shortened into two weeks so general telling of time etc should be emphasised during flashback 4s. These steps can also be taught in the afternoon towards the end of the year if necessary or part of time days.
- Statistics has been removed and can be covered in one day/two mornings focussing on steps 1, 3 and 6 in particular. Small steps are laid out at the end of this document. One of the lengthened units can be shortened back in order to fit a week of this in, if required.
- Fractions B has been lengthened by a week and some units have been reorganised to ensure everything is covered.

Y3 Autumn Term (14 weeks)



Place Value Weeks 1—5 14 Small Steps	Length and Perimeter 1 Weeks 6—7 7 Small Steps	Addition and Subtraction Weeks 8—14 14 Small Steps
---	---	---

Y3 Spring Term (12 weeks)



Length and Perimeter 2 Week 1 5 Small Steps	Multiplication and Division A Weeks 2—5 15 Small Steps	Multiplication and Division 2 Weeks 6—9 11 Small Steps	Shape Weeks 10—12 10 Small Steps
--	---	---	---

Y3 Summer Term (13 weeks)



Fractions A Weeks 1—3 10 Small Steps	Fractions B Weeks 4—6 6 Small Steps Statistics day could go at end of this unit (steps 1, 3 and 6)	Money Weeks 7—8 5 Small Steps (7 with additional + and - lessons.	Mass and Capacity Weeks 9—11 12 Small Steps	Time Weeks 12—13 12 Small Steps (steps can be merged or time days used)
---	--	--	--	--

Autumn 1 New	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Units	Number: Place Value	Number: Place Value	Number: Place Value	Number: Place Value	Number: Place Value	Length and Perimeter 1	Length and Perimeter 1
Lesson objectives (Small steps)	1) Represent numbers to 100 (NPV-2) 2) Partition numbers to 100 (NPV-2) (2 sessions) 3) Number line to 100 (NPV-3)	4) Hundreds (NPV-1, NPV-2) 5) Represent numbers to 1000 (NPV-2) 6) Partition numbers to 1000 (NPV-2) (2 sessions)	7) Flexible partitioning of numbers to 1000 (NPV-2) (2 sessions) 8) Hundreds, tens and ones (NPV-2) 9) Find 1,10 and 100 more or less (NPV-3) (2 sessions)	9) Find 1,10 and 100 more or less (NPV-3) (2nd session) 10) Number line to 1000 (NPV-3) 11) Estimate on a number line to 1000 (NPV-3) (2 sessions)	12) Compare numbers to 1000 13) Order numbers to 1000 14) Count in 50s (NPV-4)	1) Measure in metres and centimetres 2) Measure in millimetres 3) Measure in centimetres and millimetres 4) Metres, centimetres and millimetres	5) Equivalent lengths (metres and centimetres) (NPV-2) 6) Equivalent lengths (centimetres and millimetres) (NPV-2) 7) Compare lengths (NPV-3) May wish to start Addition and subtraction before Half term – only do steps 1-3
Vocabulary (Year group specific)	Three-digit hundreds	Three-digit hundreds	Three-digit 10 or 100 more 10 or 100 less hundreds	Three-digit Ascending Descending hundreds 10 or 100 more 10 or 100 less	Three-digit Ascending Descending hundreds 10 or 100 more 10 or 100 less	Millimetre mm Equivalent	Millimetre mm Equivalent
Previous years Vocabulary	Multiples Place value Compare Count in steps Estimate Partition Tens Ones	Multiples Place value Compare Count in steps Estimate Partition Tens Ones	Place value Compare Count in steps Estimate Partition Tens Ones	Multiples Place value Compare Count in steps Digit Two digits Estimate	Multiples Place value Compare Count in steps Digit Two digits Estimate	Standard units Estimate Measure Compare Order Record results Centimetre cm Metre m	Standard units Estimate Measure Compare Order Record results Centimetre cm Metre m

[illegible]

Spring 1 New	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Units	Measurement: Length and Perimeter 2	Number: Multiplication and division A	Number: Multiplication and division A	Number: Multiplication and division A	Number: Multiplication and division A	Number: Multiplication and division B
Lesson objectives (Small steps)	8) Add lengths (AS-2) 9) Subtract lengths (AS-2) 10) What is perimeter? (AS-2) 10) Measure perimeter (AS-2) 11) Calculate perimeter (AS-2) Perimeter week consolidating addition and subtraction. Can run into multiplication and division if necessary	1) Multiplication –equal groups (MD-1) (2 sessions) 2) Using arrays (MD-1) 3) Multiples of 2 (MD-1) 4) Multiples of 5 and 10 (MD-1)	5) Sharing and grouping (MD-1) (2 sessions) 6) Multiply by 3 (MD-1) 7) Divide by 3 (MD-1) 8) The 3 times-table (NF -2)	9) Multiply by 4 (MD-1) 10) Divide by 4 (MD-1) 11) The 4 times-tables (NF -2) 12) Multiply by 8 (MD-1) Less days dedicated to multiplication tables as these should also be extensively taught outside of main curriculum	13) Divide by 8 (MD-1) 14) The 8 times-table (NF -2) 15) The 2, 4 and 8 times-tables (NF -2)	1) Multiples of 10 (MD-1) 2) Related calculations (MD-1) (2 sessions) 3) Reasoning about multiplication (MD-1) (2 sessions) Small steps 2 and 3 are essential and should be continued after half term if not secured
Vocabulary (Year group specific)	Millimetre mm Equivalent	Mathematical statements Missing number problems Correspondence problems Derived facts	Mathematical statements Missing number problems Correspondence problems Derived facts	Mathematical statements Missing number problems Correspondence problems Derived facts	Mathematical statements Missing number problems Correspondence problems Derived facts	Mathematical statements Missing number problems Integer scaling problems Correspondence problems Exchange
Previous years Vocabulary	Standard units Estimate Measure Compare Order Record results Centimetre cm Metre m	Commutative Repeated addition Multiplication tables Odd numbers Even numbers	Commutative Repeated addition Multiplication tables Odd numbers Even numbers	Commutative Repeated addition Multiplication tables Odd numbers Even numbers	Commutative Repeated addition Multiplication tables Odd numbers Even numbers	Commutative Repeated addition Multiplication tables Odd numbers Even numbers Derived facts

Spring 2 New	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Units	Number: Multiplication and division B	Number: Multiplication and division B	Number: Multiplication and division B	Shape	Shape	Shape
Lesson objectives (Small steps)	5) Multiply a 2-digit number by 1 digit number – with exchange (MD-1) (2 sessions) 6) Link multiplication and division (MD-1) (2 sessions)	7) Divide a 2-digit number by a 1-digit number – no exchange (MD-1) (2 sessions) 8) Divide a 2-digit number by a 1-digit number – flexible partitioning (MD-1) (2 sessions)	9) Divide a 2-digit number by a 1-digit number – with remainders (MD-1) (2 sessions) 10) Scaling (NF-3) (MD-1) 11) How many ways? (MD-1)	1) Turns and angles (G-1) 2) Right angles (G-1) (2 sessions) 3) Compare angles (G-1) (2 sessions)	4) Measure and draw accurately (G-2) 5) Horizontal and vertical (G-2) 6) Parallel and perpendicular (G-2) (2 sessions)	7) Recognise and describe 2D shapes (G-2) 8) Draw polygons (2 sessions) 9) Recognise and describe 3D shapes (G-2) 10) Make 3D shapes (G-2)
Vocabulary (Year group specific)	Mathematical statements Missing number problems Integer scaling problems Correspondence problems Exchange	Mathematical statements Missing number problems Integer scaling problems Correspondence problems Exchange Remainders	Mathematical statements Missing number problems Integer scaling problems Correspondence problems Exchange Remainders	Orientations Angles Turn Right angles Right angle triangle Half turn Three quarters of a turn Greater than right angle Less than right angle Horizontal lines Vertical lines Acute angles Obtuse Angles Line of symmetry	Perpendicular lines Parallel lines Orientations Angles Turn Right angles Right angle triangle Half turn Three quarters of a turn Greater than right angle Less than right angle Horizontal lines Vertical lines Polygon	Perpendicular lines Parallel lines Orientations Angles Turn Right angles Right angle triangle Half turn Three quarters of a turn Greater than right angle Less than right angle Horizontal lines Vertical lines Polygon
Previous years Vocabulary	Commutative Repeated addition Multiplication tables Odd numbers Even numbers Derived facts	Commutative Repeated addition Multiplication tables Odd numbers Even numbers Derived facts	Commutative Repeated addition Multiplication tables Odd numbers Even numbers Derived facts	Edges Vertices Faces Sides	Edges Vertices Faces Sides	Edges Vertices Faces Sides

Summer 1 New	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Units	Fractions A	Fractions A	Fractions A	Fractions B	Fractions B	Fractions B
Lesson objectives (Small steps)	1) Understand the denominators of unit fractions (F-1) 2) Compare and order unit fractions (F-3) (2 sessions) 3) Understand the numerator of non-unit fractions (F-1) 4) Understand the whole (F-1)	5) Compare and order non-unit fractions (F-3) (2 sessions) 6) Fractions and scales (F-3) 7) Fractions on a number line (F-3) (2 sessions)	8) Count in fractions on a number line (F-3) 9) Equivalent fractions on a number line (F-1) (2 sessions) 10) Equivalent fractions as bar models (F-1)	1) Add fractions (F-4) (2 sessions) 2) Subtract fractions (F-4) (2 sessions)	3) Partition the whole (2 sessions) 4) Unit fractions of a set of objects (2 sessions)	5) Non-unit fractions of a set of objects (2 sessions) 6) Reasoning with fractions of an amount (2 sessions)
Vocabulary (Year group specific)	Tenths	Tenths	Equivalent fractions Tenths	Equivalent fractions Tenths	Equivalent fractions Tenths	Equivalent fractions Tenths
Previous years Vocabulary	Three quarters Third Equivalence Unit fractions Non-unit fractions Numerator Denominator One whole	Three quarters Third Equivalence Unit fractions Non-unit fractions Numerator Denominator One whole	Three quarters Third Equivalence Unit fractions Non-unit fractions Numerator Denominator One whole	Three quarters Third Equivalence Unit fractions Non-unit fractions Numerator Denominators One whole	Three quarters Third Equivalence Unit fractions Non-unit fractions Numerator Denominators One whole	Three quarters Third Equivalence Unit fractions Non-unit fractions Numerator Denominators One whole

Summer 2 New	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Units	Money Revisiting of Addition and Subtraction	Money Revisiting of Addition and Subtraction	Measurement: Mass and capacity	Measurement: Mass and capacity	Measurement: Mass and capacity	Time	Time
Lesson objectives (Small steps)	1) Pounds and pence 2) Convert pounds and pence (NPV-2) 2a) Column addition recap 2b) Column subtraction recap	3) Add money (AS-2) 4) Subtract Money (AS-2) 5) Find change (AS-2))	1) Use scales 2) Measure mass in grams 3) Measure mass in kilograms and grams 4) Equivalent masses (kilograms and grams) (NPV-2)	5) Compare mass 6) Add and subtract mass (AS-2) 7) Measure capacity and volume in millilitres 8) Measure capacity and volume in litres and millilitres	9) Equivalent capacities and volumes (litres and millilitres) (NPV-2) 10) Compare capacity and volume 11) Add and subtract capacity and volume (AS-2)	1) Roman numerals to 12 2) Tell the time to 5 minutes 3) Tell the time to the minute 4) Read time on a digital clock 5) Use AM and PM	6) Years, months and days 7) Days and hours Combine steps 6) and 7) 8) Hours and minutes – use start and end times 9) Hours and minutes – use durations 10) Minutes and seconds 12) Solve problems with time
Vocabulary (Year group specific)	Consolidate previous years	Consolidate previous years	Consolidate previous years	Consolidate previous years	Consolidate previous years	Analogue clock Digital Noon Midnight	a.m./p.m. 12-hour clock 24-hour clock Leap year
	Value Change Pounds Pence	Value Change Pounds Pence	Kilogram kg Gram g Millilitres ml Litres l Quarter full Three-quarter full Scales Temperature Celsius	Kilogram kg Gram g Millilitres ml Litres l Quarter full Three-quarter full Scales Temperature Celsius	Kilogram kg Gram g Millilitres ml Litres l Quarter full Three-quarter full Scales Temperature Celsius	Intervals of time Quarter past/to Duration	Intervals of time Quarter past/to Duration

Missing Unit:

Week	Week
Statistics	Statistics
1) Interpret pictograms 2) Draw pictograms 3) Interpret bar charts	4) Draw bar charts 5) Collect and represent data 6) Two-way tables
Bar chart	Bar chart Two-way tables Data
Table Pictograms Tally chart Block diagram Simple table Category Sorting Totalling Comparing Horizontal Vertical	Table Pictograms Tally chart Block diagram Simple table Category Sorting Totalling Comparing Horizontal Vertical