YEAR 2/3 AUTUMN TERM

BLOCK	UNIT TITLE	Y2			Y3			ASSESSMENT/ NOTES
		OUTCOMES (see below)	NAT. CURR OUTCOME(S)	READY-TO-PROGRESS CRITERIA	OUTCOMES (see below)	NAT. CURR OUTCOME(S)	READY-TO-PROGRESS CRITERIA	
Place Value and Money (10 days)	**Number lines**	2, 4	Num/PV (ii) (iii) (iv) (v)	2NPV-2, 2AS-3	1	Num/PV (ii) (iv)	2NVP-2, 3NPV-3	
	2-digit and 3-digit place value	3, 8	Num/PV (ii) (iii) Add/Sub (iii)	2NPV-1	1, 3, 9	Num/PV (ii) (iii) (iv) (v); Add/Sub (i)	3NPV-2, 3NPV-3	
	Exploring money	27, 28	Add/Sub (ii) Meas (iii) (iv) (v)	1AS-1, 2AS-2	12, 32	Add/Sub (i) Meas (iii)	3AS-1, 3AS-3	
Addition and Subtraction (A) (13 days)	**Number facts for addition and subtraction**	7, 9, 15	Add/Sub (i) (ii) (iii)	2NF-1	7, 14	Add/Sub (i) (iv)	3NF-1, 3AS-1, 3AS-3	
	Add/sub using facts and digit patterns	7, 8, 9	Add/Sub (i) (ii) (iii)	2AS-3	7, 14	Add/Sub (i) (iv)	2AS-1, 2AS-3	
	Bridging	7, 9, 15	Add/Sub (i) (iii)	2AS-1, 2AS-3	7, 9	Add/Sub (i) (iv)	3NF-1, 2AS-3	
	Use place value to add and subtract	10, 11	Add/Sub (i) (iii)	2AS-3	9	Add/Sub (i) (iii) (iv)	3NPV-2, 3NF-3	
Measures and Shape (6 days)	**Length**	25, 26	Meas (i) (ii)	n/a	28, 29, 30, 31	Meas (i) (ii)	n/a	
	Lines and symmetry	34	Geom/PoS (i) (iv)	2G-1	39	Geom/PoS (iv)	n/a	
Multiplication and Division (5 days)	**Doubles and halves**	18, 21	Mult/Div (i) (iv)	n/a	20	Mult/Div (ii) (iii)	n/a	
	Patterns	1, 2, 21	Mult/Div (i) (ii) (iv)	1NF-2,	15, 16	Mult/Div (ii) (iii)	2MD-1, 2MD-2	

Addition and Subtraction (B) (10 days)	**Mental +/-: near multiples and place value**	8, 10	Add/Sub (i) (ii) (iii)	2AS-3	5, 8, 14	Add/Sub (i) (iv)	2AS-4	
	Add pairs of 2-digit numbers	8, 10	Add/Sub (i) (ii) (iii)	2AS-4	5, 8	Add/Sub (i) (iv)	2AS-4	
	Counting up subtraction	6, 8	Add/Sub (i) (ii) (iii)	2AS-2, 2AS-3	5, 8	Add/Sub (i) (iii) (iv)	3AS-1, 2AS-2	
Measures (5 days)	**Weight**	25, 26	Meas (i) (ii)	n/a	28, 36	Meas (i) Stats (i)	3NPV-4	
	Capacity	25, 26	Meas (i) (ii)	n/a	28, 36	Meas (i) Stats (i)	n/a	
Multiplication and Division (5 days)	**Exploring multiplication**	19, 20, 21	Mult/Div (i) (ii) (iii) (iv)	2MD-1	16, 17	Mult/Div (i) (ii) (iii)	3NF-2, 3MD-1	
	Exploring division	19, 21	Mult/Div (i) (ii) (iii) (iv)	2MD-1, 2MD-2	16,21	Mult/Div (i) (ii) (iii)	3MD-1	
Addition and Subtraction (C) (5 days)	**Add/sub near multiples**	6, 8, 10	Add/Sub (i) (ii) (iii) (iv)	2AS-3	5, 8, 9	Add/Sub (i) (iv)	2AS-3	
	Mental strategies to add and subtract	10, 12	Add/Sub (i) (ii) (iii)	2AS-1	9, 10	Add/Sub (i) (iv)	2AS-2, 2AS-4	
Shape (8 days)	**Turns and angles**	37	Geom/Pos-Dir (ii) (iv)	n/a	38	Geom/PoS (ii) (iii)	3G-1	
	Properties of 2-D shapes	33	Geom/ PoS (i) (iv)	1G-2, 2G-1	37	Geom/ PoS (i) (iii)	3G-1	
	Exploring 3-D shapes	33	Geom/PoS (ii) (iii) (iv)	2G-1	37	Geom/ PoS (i)	2G-1	

YEAR 2/3 SPRING TERM

BLOCK	UNIT TITLE	Y2			Y3			ASSESSMENT/ NOTES
		OUTCOMES (see below)	NAT. CURR OUTCOME(S)	READY-TO-PROGRESS CRITERIA	OUTCOMES (see below)	NAT. CURR OUTCOME(S)	READY-TO-PROGRESS CRITERIA	
Place Value and Money (10 days)	**Place numbers on lines**	2, 4	Num/PV (iii) (iv)	2NPV-2	1	Num/PV (iii) (v)	3NPV-3, 3NPV-4	
	Number properties and place value	3	Num/PV (ii) (iii) (vi)	2NPV-1	1, 3, 5, 9	Num/PV (ii) (iii) (iv) (vi)	3NPV-2	
	Money place value and totals	6, 27	Num/PV (ii) (vi) Meas (iii) (iv) (v)	2AS-4	3, 32	Num/PV (ii); Meas (iii)	2AS-4	
Addition and Subtraction (A) (8 days)	**Mental addition and subtraction (1)**	6, 7	Add/Sub (i) (ii) (iii)	2AS-3	7, 8	Add/Sub (i) (ii) (vi)	2AS-4	
	Mental addition and subtraction (2)	10, 11	Add/Sub (i) (iii)	2AS-2, 2AS-4	8, 10	Add/Sub (i)	2AS-2, 2AS-4	
	Add by partitioning (1)	10, 18	Add/Sub (i) (ii) (iii)	2AS-4	11, 13	Add/Sub (i) (ii) (iii)	3AS-2	
Time (A) (5 days)	**Units of time and data**	31	Meas (vi)	n/a	35, 36	Meas (v) Stats (i) (ii)	n/a	
	Telling the time (1)	29, 31	Meas (vi) (vii) (viii)	n/a	33	Meas (iv) (v) (vi)	n/a	
Multiplication & Division (A) (7 days)	**Times tables; multiplication and division**	16, 19	Mult/Div (i) (ii) (iii) (iv)	2MD-1, 2MD-2	15, 16, 17	Mult/Div (i) (ii) (iii)	3NF-2, 3MD-1	
	Grouping; mult/div facts	16, 17, 19	Mult/Div (i) (ii) (iii) (iv)	2MD-1, 2MD-2	16, 17	Mult/Div (i) (ii)	3NF-1, 3MD-1	
Fractions (9 days)	**Fractions of shapes and amounts: folding**	24	Num/Frac (i) (ii)	n/a	23, 27	Num/Frac (i) (ii) (iii) (vii)	3F-1, 3F-2	
	Fractions of amounts	24	Num/Frac (i) (ii)	3F-1	23, 27	Num/Frac (i) (ii) (vii)	3F-2	
	Fractions as numbers, and of amounts	22, 23, 24	Num/Frac (i) (ii)	3F-1, 3F-2	22, 24, 26, 27	Num/Frac (i) (iii) (vii)	3F-1, 3F-2, 3F-3	

Addition and Subtraction (B) (7 days)	Count up to subtract	11, 12	Add/Sub (i) (ii) (iii)	2AS-2	12	Add/Sub (i) (iii)	3AS-1	
	Add by partitioning (2)	9, 10	Add/Sub (i) (ii) (iii)	2NF-1, 2AS-4	11	Add/Sub (i) (iii)	3AS-2	
	Subtraction; word problems	11, 15	Add/Sub (i) (ii) (iii) (v)	2AS-4	12, 14	Add/Sub (i) (iii) (iv)	3AS-3	
Multiplication & Division (B) (8 days)	Doubles, halves and commutativity	18, 19, 20	Mult/Div (i) (ii) (iii) (iv)	2MD-1, 2MD-2	20, 21	Mult/Div (i) (ii)	3MD-1	
	Count in steps	1	Num/PV (i) Mult/Div (ii)	2MD-1	4	Num/PV (i) Mult/Div (i) (ii) (iii)	3NF-1, 3MD-1	
	Word problems; multiply by partitioning	20, 21	Mult/Div (i) (ii) (iii) (iv)	2MD-1, 2MD-2	19, 20	Mult/Div (ii) (iii)	3NF-3, 4MD-3	
Time (B) (4 days)	Telling the time (2)	29, 30	Meas (vi) (vii) (viii)	n/a	33, 35	Meas (iv) (v) (vii)	n/a	

YEAR 2/3 SUMMER TERM

BLOCK	UNIT TITLE	Y2			Y3			ASSESSMENT/ NOTES
		OUTCOMES (see below)	NAT. CURR OUTCOME(S)	READY-TO-PROGRESS CRITERIA	OUTCOMES (see below)	NAT. CURR OUTCOME(S)	READY-TO-PROGRESS CRITERIA	
Addition & Subtraction (A) (8 days)	Mental addition and subtraction	9, 10	Add/Sub (ii) (iii)	2AS-4	9, 14	Add/Sub (i) (iv)	2AS-4, 3NF-3	
	Counting up (Y2); Written addition (Y3)	11, 12	Add/Sub (ii) (iii)	2AS-2	6, 11, 13	Add/Sub (ii) (vi)	3AS-2	
Shape and Time (4 days)	Time	30, 31	Meas (vi) (vii) (viii)	n/a	33, 34, 35	Meas (iv) (v) (vi) (vii	n/a	
	Shape	32, 33	Geom/PoS (i) Stats (i) (ii) (iii)	2G-1	37	Geom/PoS (i)	n/a	
Addition & Subtraction (B) (5 days)	Shopping and subtraction	27, 28	Add/Sub (ii) (iii) Meas (iii) (iv) (v)	2AS-2, 2AS-4	12, 32	Add/Sub (ii) (iii) (vi) Meas (iii)	2AS-2, 3AS-1	
Revision; Securing Addition & Subtraction (6 days)	Revisiting addition and subtraction	12, 15	Add/Sub (i) 9ii) (iii) (iv) (v)	2AS-2, 2AS-4	11, 32	Add/Sub (ii) (iii) (iv)	3AS-2, 3AS-3	
	Revision: multiplication, fractions & time	21, 24, 30	Mult/Div (iv) Num/Frac (i) Meas (vii)	2MD-1, 2MD-2, 3F-2	18, 23, 33	Mult/div (iii) Num/Frac (ii, iii) Meas (iv, v)	3NPV-1, 3F-2	
Investigation; Exploring Fractions (8 days)	Investigation; exploring fractions	15, 33	Add/Sub (iii) (v) Geom PoS (i) (iv)	2AS-4, 1G-1, 1G-2	23, 26, 27	Num/Frac (ii) (iii) (iv) (v)	3F-2, 3F-3	
	Fractions of amounts	24	Num/Frac (i) (ii) (iii)	3F-1, 3F-2	23	Num/Frac (ii) (iii) (vii)	3F-2	
Puzzles, Multiplication & Division (11 days)	Puzzles; multiplication and scaling	4, 14, 15	Num/PV (iv) Add/Sub (i) (ii) (v)	2NVP-2, 2AS-4	16, 18, 21	Mult/Div (i) (iii)	3NPV-1, 3MD-1	
	Arithmetic puzzles; division	14, 15	Add/Sub (i) (ii) (v) Geom (i) (iv)	2AS-4, 3NF-1	16, 17	Mult/Div (i) (ii)	3MD-1	
	Logic puzzles; more division	33, 36	Add/Sub (v) Geom (i)	1G-2	16,17, 19, 21	Mult/Div (i) (ii) (iii)	3MD-1, 4NF-2, 4MD-3	

Place value and Fractions (6 days)	Numbers and fractions on a line	4	Num/PV (ii) (iv) (vi)	2NPV-2, 3NPV3	23, 25	Num/Frac (ii) (iii) (vii)	3F-2, 3F-3	
	Exploring place value	5, 6	Num/PV (viii) (ix)	3NPV-2, 3NPV-3	1, 3	Num/PV (v) (viii)	4NPV-2, 4NPV-3	

Year 2 Outcomes (skills in **bold** are linked to National Curriculum **Statutory requirements**)

1. **Count from 0 in steps of 2, 3, 5 and 10.**
2. Count on and back in 10s from any number.
3. **Identify any number on 1-100 grid; understand that each is a multiple of ten and some ones.**
4. **Locate any 2-digit number on a 1-100 grid or a landmarked line; use this to order and compare numbers with <, > and = signs.**
5. **Read and write numbers to at least 100 in numerals; make recognisable attempts to write in words.**
6. **Use place value and number facts to solve problems, e.g.** *60 - □ = 20*
7. **Know securely number pairs for all the numbers up to and including 20, e.g. pairs which make 15 (7+8, 6+9, 5+10, 4+11, 3+12, 2+13, 1+14, 0+15).**
8. **Know different unit patterns when adding or subtracting, first when not crossing a ten and then when crossing a ten, in numbers up to 100.**
9. **Add two or three 1-digit numbers, using counting on and/or number facts.**
10. **Add a 2-digit no. and tens; add two 2-digit numbers that total < 100 by counting on in 10s and 1s.**
11. **Count back in ones or tens or use number facts to take away, e.g. 27-3 = or 54-20 =.**
12. Begin to count up to find a difference between two numbers with a small gap, e.g. 42–38.
13. **Show that addition of 2 numbers can be done in any order (commutative) and subtraction cannot.**
14. **Recognise that addition and subtraction are inverse operations; use addition to check subtractions and solve missing number problems.**
15. **Solve problems involving addition and subtraction of numbers, quantities and measures, using recall of number facts and appropriate models and images.**
16. **Know 2x, 5x and 10x tables, and related division facts, e.g. saying how many 10s in 40; use x and ÷ signs correctly.**
17. Understand equivalence in simple calculations: 3 x 4 = 6 x □ .
18. Double and halve numbers up to 20 and multiples of 5 to 50; recognise odd and even numbers.
19. **Write multiplications and divisions, using x, ÷ and = signs; calculate answers.**
20. **Understand that multiplication can be done in any order (commutative) and division cannot.**
21. **Solve multiplication/division problems in context, using recall of x /÷ facts,** doubling, halving, **arrays**, 'clever counting'.
22. Count in halves and quarters, recognising fractions as numbers.
23. **Begin to recognise the equivalence of $^2/_4$ and ½ on the number line and in other practical contexts.**
24. **Understand ½, ¼, $^1/_3$, ¾, $^2/_3$ as fractions of quantities in a practical context; solve problems using shapes, objects, quantities.**
25. **Choose/use appropriate standard units to estimate and measure length/height, mass, temperature and capacity to the nearest appropriate unit using rulers, instruments.**
26. **Compare and order objects according to length, (mass) weight and capacity using suitable units, and record the results using >, < and = .**
27. **Recognise/use symbols for pounds (£) and pence (p); combine amounts, find different combinations of coins that give the same amount.**
28. **Solve simple problems in a practical context; add and subtract pence and pounds, including finding and giving change.**
29. **Tell/write the time on** digital/**analogue clocks to ½ past, ¼ past and ¼ to the hour; draw hands on a clock face to show these times.**
30. **Begin to tell and write the time on** digital and **analogue clocks to the nearest 5 minutes.**
31. Know number of minutes in an hour and hours in a day; use it to **compare/ sequence intervals of time.**
32. **Construct simple tables, pictograms, tally charts, block diagrams where unit scale is labelled in 1s or multiples of 2; interpret, ask and answer appropriate questions.**
33. **Identify/describe common 2-D shapes, referring to properties including on the surface of 3-D shapes; compare/sort 2-D shapes.**
34. **Recognise symmetry in a vertical line.**   **Continued…**

35. **Identify/describe common 3-D shapes, referring to no. of edges, vertices, faces (curved and flat); compare/sort 3-D shapes.**
36. **Order and arrange combinations of mathematical objects in patterns and sequences.**
37. **Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line.**
38. **Distinguish between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).**

Year 3 Outcomes (skills in **bold** are linked to National Curriculum **Statutory requirements**)

1. **Read, write and locate any 3-digit number on a landmarked line from 0-1000 and use this to order and compare numbers.**
2. **Estimate quantities and represent numbers in different ways.**
3. **Understand place value in 3-digit numbers; add/subtract 1, 10, 100 without difficulty.**
4. **Count from 0 in 2s, 4s, 8s, 10s, 100s, and 50s.**
5. **Solve number problems and practical problems involving place value.**
6. Round to the nearest ten and hundred, e.g. 34 to nearest 10 is 30, 276 to nearest hundred is 300.
7. Know securely number pairs for all the numbers up to and including 20, e.g. pairs which make 15 (7+8, 6+9, 5+10, 4+11, 3+12, 2+13, 1+14, 0+15).
8. **Mentally add or subtract any pair of 2-digit numbers, e.g. 75 + 58 or 75 − 58.**
9. **Mentally add and subtract multiples of 1s, 10s and 100s to/from 3-digit numbers.**
10. Recognise that there are two ways of completing subtractions, either by counting up or by counting back.
11. **Add numbers with 3-digits using column addition, first expanded then compact method.**
12. Subtract larger numbers with confidence, using 'Frog' for counting up, e.g. 302 − 288.
13. Estimate answers and use addition to check subtraction, understanding that addition and subtraction are inverse operations.
14. **Solve problems, including missing number problems.**
15. Understand that multiplication is commutative, and write mathematical statements for multiplication and division
16. Understand that division is the inverse of multiplication, e.g. ? x 3 = 21 ≡ 21 ÷ 3 = ? .
17. **Know the 2x, 3x, 4x, 5x, 8x and 10x times tables, including division facts.**
18. Multiply 2-digit numbers by 10, or 1-digit numbers by 100; divide multiples of 10 or 100 by 10 or 100. Understand the effect of x or ÷ by 10/100.
19. **Multiply a 1-digit number by a 2-digit number using partitioning.**
20. Partition to double and halve numbers.
21. **Solve problems, including missing number and scaling problems.**
22. **Recognise and show using diagrams, equivalent fractions for ½, ¼, ¾, $^1/_3$, e.g. ¼ ≡ $^3/_{12}$.**
23. **Recognise, find and write unit and non-unit fractions of convenient amounts, e.g. $^1/_{10}$ of 100 or $^1/_3$ of 60.**
24. Count on and back in fractional steps, e.g. counting in ½s, ¼s or $^1/_3$s; hence recognise fractions as numbers.
25. **Count on and back in tenths and understand that tenths are the result of dividing an object or quantity into 10 equal parts.**
26. **Compare and order unit fractions and fractions with the same denominator; add or subtract fractions with the same denominator.**
27. **Solve problems involving fractions.**
28. **Measure, compare, add and subtract lengths, weights and capacities.**
29. Know that there are 100cm in a metre and that there are 10mm in a centimetre.

30. Use a ruler to measure lines.
31. Measure the perimeter of simple 2-D shapes.
32. Add and subtract amounts of money; give change by counting up. Use both £ and p in practical contexts.
33. Tell and write the time on digital and analogue clocks, including those with Roman numerals.
34. Record times in seconds, minutes, hours, days, weeks, months, years including leap years, converting from one unit to another.
35. Compare durations of events using analogue/digital times, and vocabulary such as am and pm.
36. Interpret and represent data on scaled bar charts, pictograms and tables, and solve problems using these.
37. Draw 2-D and make 3-D shapes, recognising both in different orientations, and describe them.
38. Identify right angles as 90° in shapes, and also as turns; recognise angles as less than or greater than 90°.
39. Identify horizontal and vertical lines, and pairs of parallel and perpendicular lines.