Year 1/2 Autumn term overview (2020)

This mixed-age plan follows the same progression as the White Rose Maths mixed-age planning, except where divergence improves the alignment of the *Power Maths* lessons. The main aim of these plans is to allow teachers to cover the same topic with both groups more often than with our existing (2019) mixed age plans, which follow the *Power Maths* progression more strictly in each year group.

There are exemplar lessons to show how two aligned lessons could be delivered in one classroom. Some paired lessons in the plan are very closely aligned, some moderately aligned, but occasionally the lessons have to cover different topics (for the different objectives of each group to be covered).

Each lesson offers different possibilities. For lesson pairs with strong alignment, teachers may choose to do a joint **Discover and Share** section, run the **Think Together** sections with separate groups, and then have children work independently with their **Practice Books**. The whole class could do the same **Power Up** together (potentially tweaking for one year group), or they could each do the **Power Up** for their own year group. The new lesson exemplars show what this could look like. There are also lesson exemplars from 2019 which show how two weakly aligned lessons can be delivered when necessary.

Note: content for spare lessons has been suggested in red, but you can fill these lessons with whatever you find most helpful.

Year 1		Year 2
Unit 1: Numbers to 10		**Unit 1: Numbers to 100**
Some potentially good overlap possibilities for most lessons Year 1 just cover numbers to 10 in this unit, with the introduction of the part-whole model, while Year 2 cover 2-digit numbers to 100. There are good revision opportunities for Year 2, but ensure that Year 1 are not moved on to larger numbers at this point.		
1	Sorting objects	Consolidation work on counting and reading and writing numbers to 20
2	Counting objects to 10	Counting objects to 100
3	Counting and writing numbers to 10	Representing numbers to 100
4	Counting backwards from 10 to 0	Tens and ones (1)
5	Counting one more	Tens and ones (2)
6	Counting one less	Representing numbers on a place value grid

	Year 1	Year 2
7	Comparing groups	Comparing numbers (1)
8	Comparing numbers of objects	Comparing numbers (2)
9	Comparing numbers	Consolidation work on 2-digit numbers
10	Ordering objects and numbers	Ordering numbers
11	First, second, third...	Counting in 2s, 5s and 10s
12	The number line	Consolidation work on number lines relating to 2s, 5s and 10s
13	**Unit 2: Part-whole within 10** The part-whole model (1)	Revision of the part-whole model for 2-digit numbers, partitioning into tens and ones
14	The part-whole model (2)	Counting in 3s
15	Related facts – number bonds	Using the part-whole model for number bonds
16	Finding number bonds	Number bonds to 50
17	Comparing number bonds	Number bonds to 100
Unit 3: Addition and subtraction within 10 (1)		**Unit 2: Addition and subtraction (1)**
Many lessons have overlap possibilities The first lessons in Year 1 are about bonds within 10 as opposed to addition and subtraction methods, but these can be easily related to addition and subtraction facts for Year 2 and in the last two lessons of the unit. Year 1 then move on to numbers to 20 while Year 2 continue with addition and subtraction. Unit 6 for Year 1 is a good recap on the previous Year 2 Unit 1.		
1	Finding the whole – adding together	Related facts – addition and subtraction

	Year 1	Year 2
2	Finding the whole – adding more	Using number facts to check calculations
3	Finding a part	Comparing number sentences
4	Finding and making number bonds	Finding related facts
5	Finding addition facts	Making number bonds to 100
6	Solving word problems – addition	Adding and subtracting 1s
7	**Unit 6: Numbers to 20** Counting and writing numbers to 20	Finding 10 more and 10 less
8	Tens and ones (1)	Adding and subtracting 10s
9	Tens and ones (2)	Adding a 2-digit and 1-digit number (1)
10	Counting one more, one less	Adding a 2-digit and 1-digit number (2)
11	Comparing numbers of objects	Subtracting a 1-digit number from a 2-digit (1)
12	Comparing numbers	Subtracting a 1-digit number from a 2-digit (2)
13	Ordering objects and numbers	Problem solving or check-up opportunity

	Unit 4: Addition and subtraction within 10 (2)	Unit 3: Addition and subtraction (2)
	Some overlap possibilities This is a long block. Both year groups focus on addition and subtraction, with Year 2 also covering money while Year 1 continue with addition and subtraction within 20. Year 1 will not cover money in this block because they have not covered numbers to 100 (out of line with White Rose) Year 2 are introduced to the formal written column methods supported, pictorially, with base ten equipment, whereas Year 1 concentrate on the different informal methods of addition and subtraction and on related facts.	
1	Subtraction – how many are left? (1)	Adding two 2-digit numbers (1)
2	Subtraction – how many are left? (2)	Adding two 2-digit numbers (2)
3	Subtraction – breaking apart (1)	Subtracting a 2-digit number from another 2-digit number (1)
4	Subtraction – breaking apart (2)	Subtracting a 2-digit number from another 2-digit number (2)
5	Related facts – addition and subtraction (1)	Adding three 1-digit numbers
6	Related facts – addition and subtraction (2)	Consolidation of related facts – addition and subtraction
7	Subtraction – counting back	Subtracting a 2-digit number from another 2-digit number (3)
8	Subtraction – finding the difference	Subtracting a 2-digit number from another 2-digit number (4)
9	Solving word problems – subtraction	Solving word problems – the bar model (1)
10	Comparing additions and subtractions (1)	Consolidation of adding and subtracting with 2-digit numbers
11	Comparing additions and subtractions (2)	Investigation: odd + odd; even + even; odd + even; even + odd
12	Solving word problems – addition and subtraction	Solving word problems – the bar model (2)

13	**Unit 7: Addition within 20**	Problem solving or check-up opportunity
	Add by counting on	
14	Finding and making number bonds (1)	**Unit 4: Money**
		Counting money – coins
15	Finding and making number bonds (2)	Counting money – notes
16	Add by making 10 (1)	Counting money – coins and notes
17	Add by making 10 (2)	Investigation: how many ways to make ten pence / / twenty pence / one pound
18	Solving word problems – addition	Showing equal amounts of money (1)
19	**Unit 8: Subtraction within 20**	Showing equal amounts of money (2)
	Subtracting ones	
20	Subtracting tens and ones	Comparing amounts of money
21	Subtraction – crossing the 10 (1)	Calculating the total amount
22	Subtraction – crossing the 10 (2)	Finding change
23	Solving word and picture problems – subtraction	Finding change involving 2-digit multiples of 5p to 100p
24	Addition and subtraction facts to 20	Solving two-step word problems
25	Comparing additions and subtractions	Write and solve their own two-step word problems
26	Solving word and picture problems – addition and subtraction	Problem solving or check-up opportunity