



Year 1/2 Spring 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 12: Multiplication		Unit 5: Multiplication and division (1)
Good overlap possibilities		
Both year groups focus on multiplication as equal groups for sets of 2s, 5s and 10s, so most lessons can be started together. In order to make the best matches, some Year 2 lessons are out of order.		
1	Counting in 10s, 5s and 2s	10 times-table
2	Making equal groups	Making equal groups
3	Draw or make equal groups of 2, 3, 4 and 5.	Multiplication as equal groups
4	Adding equal groups	Adding equal groups
5	Write equal groups as addition sentences	Multiplication sentences
6	Making simple arrays	Using arrays
7	Making doubles	2 times-table
8	Draw doubles or equal groups of 5 or 10 on five or ten frames.	5 times-table
9	Solving word problems – multiplication	Solving word problems – multiplication

Year 1		Year 2
Unit 13: Division		Unit 6: Multiplication and division (2)
Good overlap possibilities		
1	Making equal groups (1)	Making equal groups



2	Making equal groups (2)	Sharing and grouping
3	Revision of doubles to double 10	Dividing by 2
4	Introduce the concept of odd and even numbers to Year 1 by making equal groups of 2 for all numbers to 20.	Odd and even numbers
5	Sharing equally (1)	Dividing by 5
6	Sharing equally (2)	Dividing by 10
7	Use five frames to share numbers up to 20 equally between 2 and 3.	Bar modelling – grouping
8	Use five frames to share numbers up to 20 equally between 4 and 5.	Bar modelling – sharing
9	Solving word problems – division	Solving word problems – division

Year 1		Year 2
Unit 9: Numbers to 50		Unit 7: Statistics
Units need to be taught separately Lessons 1, 8 and 9 can be usefully started together.		
1	Counting to 50 (1)	Making tally charts
2	Numbers to 50 (2)	Creating pictograms (1)
3	Tens and ones	Creating pictograms (2)
4	Representing numbers to 50	Collect data to make their own pictogram, one-to-one representation.
5	Comparing numbers of objects	Use data in a tally chart to create a pictogram, five-to-one representation.
6	Comparing numbers	Block diagrams
7	Ordering objects and numbers	Build block diagrams using interlocking cubes.
8	Counting in 2s	Interpreting pictograms (1)
9	Counting in 5s	Interpreting pictograms (2)
10	Solving word problems – addition and subtraction (1)	Solving word problems
11	Solving word problems – addition and subtraction (2)	Assessment or investigation opportunity



Year 1		Year 2
Unit 10: Introducing length and height		Unit 8: Length and height
Good overlap possibilities for all lessons Year 1 use non-standard measures in the first three lessons, so should not be introduced to centimetres until Lesson 4. Year 2 use standard measures throughout.		
1	Comparing lengths and heights	Measuring in centimetres
2	Non-standard units of measure (1)	Measuring in metres
3	Non-standard units of measure (2)	Comparing lengths
4	Measuring length using a ruler	Ordering lengths
5	Solving word problems – length	Solving word problems – length

Year 1		Year 2
Unit 5: 2D and 3D shapes		Unit 9: Properties of shape
Good overlap possibilities for many lessons All Year 1 starters will be useful revision for Year 2, so all lessons can be started together. Both year groups focus on the names and some of the properties of both 2D and 3D shapes, but as the Year 2 unit is twice as long as the Year 1 unit, there is plenty of opportunity for Year 1 to consolidate or be introduced to some further properties of shapes. Alternatively, Year 1 could consolidate on concepts covered previously.		
1	Naming 3D shapes (1)	Recognising 2D and 3D shapes
2	Naming 3D shapes (2)	Drawing 2D shapes
3	Consolidation on naming 3D shapes: draw and name.	Counting sides on 2D shapes
4	Naming 2D shapes (1)	Counting vertices on 2D shapes
5	Naming 2D shapes (2)	Finding lines of symmetry
6	Sort 2D shapes using different criteria.	Sorting 2D shapes
7	Making patterns with shapes	Making patterns with 2D shapes
8	Make repeating patterns by using paint and the faces of different 3D shapes.	Counting faces on 3D shapes
9	Make repeating patterns with a variety of 2D shapes to be continued by a partner.	Counting edges on 3D shapes
10	Consolidation on naming 3D shapes.	Counting vertices on 3D shapes



11	Sort 3D shapes using different criteria.	Sorting 3D shapes
12	Assessment or investigation opportunity	Making patterns with 3D shapes

Year 1		Year 2
Unit 14: Halves and quarters		Unit 10: Fractions
<p>Some good overlap possibilities</p> <p>Again, the Year 2 unit has far more lessons than the Year 1 unit, so take time to prepare Year 1 for the concepts of half and quarter and consolidate or assess their understanding. Only the lessons on halves and quarters should begin together.</p>		
1	Practise folding paper circles, squares and rectangles into half and sticking both parts back together with a small gap to show the two parts making the whole.	Introducing whole and parts
2	Revise splitting sets of objects into two equal groups.	Making equal parts
3	Finding halves (1)	Recognising a half ($\frac{1}{2}$)
4	Finding halves (2)	Finding a half of a quantity
5	Investigate which numbers to 20 can be halved exactly, relating half with sharing into two equal groups.	Recognising a quarter ($\frac{1}{4}$)
6	Practise folding paper circles, squares and rectangles into half and half again and sticking the parts back together into the whole, as lesson 1.	Finding a quarter of a quantity
7	Finding quarters (1)	Unit fractions
8	Colour a quarter of shapes	Understanding other fractions
9	Finding quarters (2)	$\frac{1}{2}$ and $\frac{2}{4}$
10	Find $\frac{1}{4}$ of sets of objecting by splitting into four equal groups.	Finding $\frac{3}{4}$
11	Investigate which numbers to 20 can be quartered exactly, relating quarters with sharing into four equal groups.	Understanding a whole
12	Solving word problems – halves and quarters	Understanding whole and parts
13	Make up and illustrate a word problem relating to half.	Counting in halves
14	Make up and illustrate a word problem relating to a quarter.	Counting in quarters