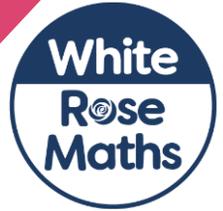# Year 4/5

Welcome to our mixed age lesson by lesson overview for 2020-21. This has been designed to give schools a clear progression to follow in case a blended learning approach is needed. The overviews match learning in both year groups and look to match lessons where similar concepts are being taught.

In Year 4/5 we have followed the order of the Year 4/5 mixed age scheme for academic year 2020/21. This is slightly different to the single age schemes but brings more opportunities to match skills and deliver a whole class input.

We have taken into account potential lost learning during the lockdown period by adding in recap lessons. These are indicated with an Ⓡ

📷 Each lesson will link to a video tutorial produced by one of our maths specialists which can be used in a variety of ways:
✓ at home if classes, local areas or everyone goes into lockdown
✓ in small groups during intervention sessions
✓ with TAs or learning assistants if splitting the class into single age groups
✓ on tablets to promote independent learning.

All the videos are freely available and most of them are linked to a worksheet that will be available through the premium website. We will also make the non-voiced over PowerPoint version of the video available to use as a front of class teaching tool.

Release dates – our videos and front of class PowerPoints will be released over the year in line with the single-age progression. Due to this, there may be points that the videos will not be available for the mixed-age progression due to the change in order. However, all worksheets will be available for premium subscribers.
If a video is available for one year group but not the other, this will be indicated on the mixed age progression in red by stating which year group videos to access e.g. Use Y4

For those lessons that say 'activity', the activity will be explained through the video.
Some lessons are consolidation lessons. These are in bold blue font. Consolidation lessons do not have videos or worksheets but give teachers an extra day to reinforce understanding.

We have linked our lessons to the DFE ready to progress criteria to help you plan and see where to prioritise learning. All the codes that link the lessons are available on our single age lesson by lesson overviews.

Year 4/5 – Autumn Term

Lesson by lesson overview 2020/21

Week	Day	Y4 Topic	Y5 Topic
1 07/09/20	Mon	Numbers to 1,000 (R)	Numbers to 10,000
	Tue	100s. 10s and 1s (R)	1000s, 100s, 10s and 1s (R)
	Wed	Number line to 1,000 (R)	Number line to 1,000 (R)
	Thu	Round to the nearest 10	Rounding to the nearest 10 (R)
	Fri	Round to the nearest 100	Rounding to the nearest 100 (R)
2 14/09/20	Mon	Count in 1000s	Rounding to 10, 100 or 1,000
	Tue	Represent numbers to 10,000 activity	Numbers to 100,000
	Wed	1000s, 100s, 10s and 1s	Numbers to a million
	Thu	Partitioning	Consolidate numbers to a million
	Fri	The number line to 10,000	Counting in 10s, 100s, 1,000s, 10,000s and 100,000s
3 21/09/20	Mon	Find 1, 10, 100 more or less (R)	Round numbers within 100,000
	Tue	1,000 more or less	Round numbers to one million
	Wed	Compare 4-digit numbers	Consolidate rounding
	Thu	Order numbers	Compare and order numbers to 100,000
	Fri	Round to the nearest 1,000	Compare and order numbers to one million
4 28/09/20	Mon	Count in 25s	Count in 25s (Use Y4) (R)
	Tue	Introducing negative numbers activity	Introducing negative numbers activity (Use Y4) (R)
	Wed	Negative numbers	Negative numbers
	Thu	Roman numerals	Roman numerals
	Fri	Mini assessment	Mini assessment

Year 4/5 – Autumn Term

White Rose Maths

Week	Day	Y4 Topic	Y5 Topic
5 05/10/20	Mon	Add and subtract 1s, 10s, 100s and 1,000s	Add and subtract 1s, 10s, 100s and 1,000s (R)
	Tue	Add two 4-digit numbers - no exchange	Add two 4-digit numbers - no Exchange (Use Y4) (R)
	Wed	Add two 3-digit numbers – crossing 10 or 100 (R)	Add two 4-digit numbers - one exchange (R)
	Thu	Add two 4-digit numbers - one exchange	Add two 4-digit numbers - more than one exchange (R)
	Fri	Add two 4-digit numbers - more than one exchange	Add whole numbers with more than 4 digits
6 12/10/20	Mon	Subtract two 4-digit numbers - no exchange	Subtract two 4-digit numbers - no exchange (Use Y4) (R)
	Tue	Subtract a 3-digit number from a 3-digit number - exchange (R)	Subtract a 3-digit number from a 3-digit number – exchange (Use Y4) (R)
	Wed	Subtract two 4-digit numbers - one exchange	Subtract two 4-digit numbers – one exchange (R)
	Thu	Subtract two 4-digit numbers - more than one exchange	Subtract two 4-digit numbers – more than one exchange (R)
	Fri	Consolidation of subtraction	Subtract whole numbers with more than 4-digits
7 19/10/20	Mon	Efficient Subtraction	Multi-step addition and subtraction problems
	Tue	Estimate answers	Round to estimate and approximate
	Wed	Checking strategies	Inverse operations (addition and subtraction)
	Thu	Mini-assessment	Mini-assessment
	Fri	Multiply by 10	Multiply by 10 (R)
8 02/11/20	Mon	Multiply by 100	Multiply by 100 (R)
	Tue	Multiply by 1 and 0	Multiply by 10, 100 and 1,000
	Wed	Divide by 10	Divide by 10 (R)
	Thu	Divide by 100	Divide by 100 (R)
	Fri	Divide by 1 and itself	Divide by 10, 100 and 1,000

Year 4/5 – Autumn Term

White Rose Maths

Week	Day	Y4 Topic	Y5 Topic
9 09/11/20	Mon	Factor Pairs	Factors
	Tue	Multiply and divide by 3 (R)	Common factors
	Wed	The 3 times-table (R)	Multiples
	Thu	Multiply and divide by 6	Multiples of 10, 100 and 1,000
	Fri	6 times-table and division facts	Consolidate factors and multiples
10 16/11/20	Mon	Multiply and divide by 9	Prime numbers activity
	Tue	9 times-table and division facts	Prime numbers
	Wed	Multiply and divide by 7	Square numbers
	Thu	7 times-table and division facts	Cube numbers
	Fri	Mini-assessment	Mini-assessment
11 23/11/20	Mon	Equivalent lengths - m and cm (R)	Equivalent lengths - m and cm (Use Y4) (R)
	Tue	Equivalent lengths - mm and cm (R)	Equivalent lengths - mm and cm (Use Y4) (R)
	Wed	Kilometres	Kilometres (Use Y4) (R)
	Thu	Measure perimeter	Measure perimeter
	Fri	Perimeter on a grid (R)	Perimeter on a grid (R)

Year 4/5 – Autumn Term

Lesson by lesson overview 2020/21

White Rose Maths

Week	Day	Y4 Topic	Y5 Topic
12 30/11/20	Mon	Perimeter of a rectangle	Perimeter of a rectangle (R)
	Tue	Perimeter of rectilinear shapes	Perimeter of rectilinear shapes (R)
	Wed	What is area?	Calculate perimeter
	Thu	Counting squares	Counting squares (R)
	Fri	Making shapes	Area of rectangles
13 7/12/20	Mon	Comparing area	Area of compound shapes
	Tue	Consolidate area and perimeter	Area of irregular shapes
	Wed	Mini assessment	Mini assessment
	Thu	Consolidation. Use this time to recap and consolidate learning from this term. For additional challenge – check out our problems of the day.	
	Fri		
14 14/12/20	Activity week. This week we will be providing some themed activities linking to the learning from this term.		

Year 4/5 – Spring Term

White Rose Maths
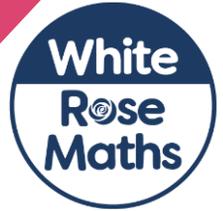
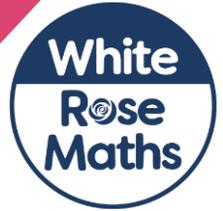| Week	Day	Y4 Topic	Y5 Topic
1 04/01/21	Mon	11 and 12 times-table	Multiply 2-digits by 1-digit (R)
	Tue	Multiply 3 numbers	Multiply 3-digits by 1-digit (R)
	Wed	Efficient multiplication	Multiply 4-digits by 1 digit
	Thu	Written methods	Multiply 2-digits (area model)
	Fri	Multiply 2-digits by 1-digit (R)	Multiply 2-digits by 2-digits
2 11/01/21	Mon	Multiply 2-digits by 1-digit	Multiply 3-digits by 2-digits
	Tue	Multiply 3-digits by 1-digit	Multiply 4-digits by 2-digits (basic practice)
	Wed	Consolidation of multiplication	Multiply 4-digits by 2-digits
	Thu	Divide 2-digits by 1-digit (R)	Divide 2-digits by 1-digit (1) (R)
	Fri	Divide 2-digits by 1-digit (1)	Divide 2-digits by 1-digit (2) (R)
3 18/01/21	Mon	Divide 2-digits by 1-digit (2)	Divide 3-digits by 1-digit (R)
	Tue	Divide 3-digits by 1-digit	Divide 4-digits by 1-digit
	Wed	Correspondence problems	Divide with remainders
	Thu	Mini-assessment	Mini-assessment
	Fri	Unit and non-unit fractions (R)	Unit and non-unit fractions (Use Y4) (R)
4 25/01/21	Mon	What is a fraction?	What is a fraction? (R)
	Tue	Equivalent fractions (1) (R)	Equivalent fractions (1) (Use Y4) (R)
	Wed	Equivalent fractions (1)	Equivalent fractions (1) (R)
	Thu	Equivalent fractions (2)	Equivalent fractions
	Fri	Fractions greater than 1	Fractions greater than 1 (R)

Year 4/5 – Spring Term

Lesson by lesson overview 2020/21

White Rose Maths
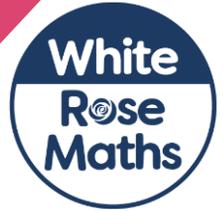
Week	Day	Y4 Topic	Y5 Topic
5 01/02/21	Mon	Consolidation of fractions greater than 1	Improper fractions to mixed numbers
	Tue	Count in fractions	Mixed numbers to improper fractions
	Wed	Fractions on a number line (Use Y3) ⓡ	Number sequences
	Thu	Compare fractions (Use Y3) ⓡ	Compare fractions less than 1
	Fri	Order fractions (Use Y3) ⓡ	Order fractions less than 1
6 08/02/21	Mon	Consolidation of comparing and ordering fractions	Order fractions greater than 1
	Tue	Making the whole (Use Y3) ⓡ	Add and subtract fractions
	Wed	Add fractions ⓡ	Add fractions within 1
	Thu	Add 2 or more fractions	Add 3 or more fractions
	Fri	Consolidation of adding fractions	Add fractions
7 22/02/21	Mon	Subtract fractions ⓡ	Add mixed numbers
	Tue	Subtract 2 fractions	Subtract fractions
	Wed	Subtract from whole amounts	Subtract mixed numbers
	Thu	Consolidation of subtracting fractions	Subtraction – breaking the whole
	Fri	Add and subtract fractions (Use Y5)	Subtract 2 mixed numbers
8 01/03/21	Mon	Tenths	Multiply unit fractions by an integer
	Tue	Count in tenths	Multiply non-unit fractions by an integer
	Wed	Fractions of a set of objects (1) ⓡ	Multiply mixed numbers by integers
	Thu	Fractions of a set of objects (2) ⓡ	Using fractions as operators
	Fri	Calculate fractions of a quantity	Fractions of an amount

Year 4/5 – Spring Term

Lesson by lesson overview 2020/21

White Rose Maths

Week	Day	Y4 Topic	Y5 Topic
9 08/03/21	Mon	Problem solving – calculate quantities	Fraction problem solving
	Tue	Mini-assessment	Mini-assessment
	Wed	Tenths and hundredths activity	Tenths and hundredths activity (Use Y4) ®
	Thu	Recognise tenths and hundredths	Recognise tenths and hundredths (Use Y4) ®
	Fri	Tenths are decimals	Tenths are decimals (Use Y4) ®
10 15/03/21	Mon	Tenths on a place value grid	Tenths on a place value grid (Use Y4) ®
	Tue	Tenths on a number line	Decimals up to 2 d.p.
	Wed	Divide 1-digit by 10	Decimals as fractions (1)
	Thu	Divide 2-digits by 10	Decimals as fractions (2)
	Fri	Hundredths	Understand thousandths
11 22/03/21	Mon	Hundredths as decimals	Thousandths as decimals
	Tue	Hundredths on a place value grid	Understand percentages
	Wed	Divide 1 or 2-digits by 100	Percentages as fractions and decimals
	Thu	Consolidation of decimals	Equivalent F.D.P
	Fri	Mini-assessment	Mini-assessment
12 29/03/21		Activity week. This week we will be providing some themed activities linking to the learning from this term.	

Year 4/5 – Summer Term

Lesson by lesson overview 2020/21

Week	Day	Y4 Topic	Y5 Topic
1 12/04/21	Mon	Bonds to 10 and 100 (R)	Bonds to 10 and 100 (Use Y4) (R)
	Tue	Make a whole	Complements to 1
	Wed	Write decimals activity	Adding decimals within 1
	Thu	Write decimals	Subtracting decimals within 1
	Fri	Compare decimals	Compare decimals (Use Y4) (R)
2 19/04/21	Mon	Order decimals	Order and compare decimals
	Tue	Round decimals activity	Round decimals
	Wed	Round decimals	Adding decimals – crossing the whole
	Thu	Halves and quarters	Adding decimals with the same number of decimal places
	Fri	Mini-assessment	Subtracting decimals with the same number of decimal places
3 26/04/21	Mon	Pounds and pence	Add & subtract decimals, same number of decimal places – problem solving
	Tue	Ordering money	Adding decimals with a different number of decimal places
	Wed	Estimating money	Subtracting decimals with a different number of decimal places
	Thu	Convert pounds and pence (R)	Adding and subtracting decimals with different number of decimal places
	Fri	Add money (R)	Adding and subtracting wholes and decimals
4 03/05/21	Mon	Bank holiday	Bank holiday
	Tue	Subtract money (R)	Decimal sequences
	Wed	Find change (R)	Multiplying decimals by 10, 100 and 1,000
	Thu	Four operations	Dividing decimals by 10, 100 and 1,000
	Fri	Mini-assessment	Mini-assessment

Year 4/5 – Summer Term

Lesson by lesson overview 2020/21

White R©se Maths

Week	Day	Y4 Topic	Y5 Topic
5 10/05/21	Mon	Interpret charts	Interpret charts (R)
	Tue	Comparison, sum and difference	Comparison, sum and difference (R)
	Wed	Introducing line graphs	Introducing line graphs (R)
	Thu	Line graphs	Read and interpret line graphs
	Fri	Mini-assessment	Draw line graphs
6 17/05/21	Mon	Telling the time to 5 minutes (R)	Use line graphs to solve problems
	Tue	Telling the time to the minute (R)	Read and interpret tables
	Wed	Using a.m. and p.m. (R)	Two-way tables
	Thu	24-hour clock (R)	Timetables
	Fri	Hours, minutes and seconds	Mini-assessment
7 24/05/21	Mon	Years, months, weeks and days	Converting units of time
	Tue	Analogue to digital - activity	Timetables
	Wed	Analogue to digital - 12 hour	Kilograms and kilometres
	Thu	Analogue to digital - 24 hour	Millimetres and millilitres
	Fri	Consolidation of time	Metric units
8 07/06/21	Mon	Mini-assessment	Imperial units
	Tue	Identify angles	Identify angles (R)
	Wed	Compare and order angles	Compare and order angles (R)
	Thu	Turns and angles (R)	Measuring angles in degrees
	Fri	Right angles in shapes (R)	Measuring with a protractor (1)
9 14/06/21	Mon	Recognise & describe 2-D shapes (R)	Measuring with a protractor (2)
	Tue	Recognise & describe 3-D shapes (R)	Drawing lines and angles accurately activity
	Wed	Draw accurately (R)	Drawing lines and angles accurately
	Thu	Triangles activity	Calculating angles on a straight line
	Fri	Quadrilaterals activity	Calculating angles around a point

Year 4/5 – Summer Term

White Rose Maths

Week	Day	Y4 Topic	Y5 Topic
10 21/06/21	Mon	Triangles	Triangles (R)
	Tue	Quadrilaterals	Quadrilaterals (R)
	Wed	**Consolidation of angles**	Calculating lengths & angles in shapes
	Thu		Regular and irregular polygons
	Fri		Reasoning about 3-D shapes
11 28/06/21	Mon	Describe position	Describe position (R)
	Tue	Draw on a grid	Draw on a grid (R)
	Wed	Move on a grid	Position in the first quadrant
	Thu	Describe movement on a grid	Translation
	Fri	Mini-assessment	Translation with coordinates
12 05/07/21	Mon	Lines of symmetry	Lines of symmetry (R)
	Tue	Complete a symmetric figure	Complete a symmetric figure (R)
	Wed	Symmetry activity	Reflection
	Thu	Horizontal and vertical (R)	Reflection with coordinates
	Fri	Mini-assessment	Mini-assessment
13 12/07/21	Mon	Activity week. This week we will be providing some themed activities linking to the learning from this term.	What is volume?
	Tue		Compare volume
	Wed		Estimate volume
	Thu		Estimate capacity
	Fri		Mini-assessment