

Year 6



Welcome to our 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.

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, particularly with mixed age classes
- ✓ 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.

For those lessons that say 'activity', the activity will be explained through the video. You will notice that some lessons are repeated. This happens with some key concepts as children may need more time to embed their learning.

For example there are two lessons on 'Finding the difference' in year 1.

Monday	Subtraction - finding the difference	NF-1 AS-2
Tuesday	Subtraction - finding the difference	NF-1 AS-2

We have linked our lessons to the DFE ready to progress criteria to help you plan and see where to prioritise learning. You can find the full guidance document [here](#) which includes the meanings of each code.

Release dates – our videos and front of class PowerPoints will be released over the year in line with this progression. We recommend, if you are using this, to use the dates we have provide.

Year 6 – Autumn Term



Lesson by lesson overview 2020/21

Week	Day	Topic
1 07/09/2020	Monday	Numbers to 10,000 NPV-2 
	Tuesday	Numbers to 100,000 NPV-2 
	Wednesday	Numbers to a million NPV-2 
	Thursday	Numbers to 10 million NPV-2
	Friday	Compare and order any number NPV-3
2 14/09/2020	Monday	Round numbers to 10, 100 and 1,000 NPV-3 
	Tuesday	Round any number NPV-3
	Wednesday	Negative numbers (in context) NPV-3
	Thursday	Negative numbers (more abstract) NPV-3
	Friday	Mini-assessment
3 21/09/2020	Monday	Add whole numbers with more than 4 digits 
	Tuesday	Subtract whole numbers with more than 4 digits 
	Wednesday	Inverse operations (addition and subtraction) 
	Thursday	Multi-step addition and subtraction problems 
	Friday	Add and subtract integers
4 28/09/2020	Monday	Multiply 4-digits by 1-digit 
	Tuesday	Multiply 2-digits (area model) 
	Wednesday	Multiply 2-digits by 2-digits 
	Thursday	Multiply 3-digits by 2-digits 
	Friday	Multiply up to a 4-digit number by a 2-digit number

Week	Day	Topic
5 05/10/2020	Monday	Divide 4-digits by 1-digit 
	Tuesday	Divide with remainders 
	Wednesday	Short division
	Thursday	Division using factors
	Friday	Long division (1)
6 12/10/2020	Monday	Long division (2)
	Tuesday	Long division (3)
	Wednesday	Long division (4)
	Thursday	Factors 
	Friday	Common factors
7 19/10/2020	Monday	Common multiples
	Tuesday	Primes to 100
	Wednesday	Squares and cubes
	Thursday	Order of operations
	Friday	Mental calculations and estimation
8 02/11/2020	Monday	Reason from known facts AS-2
	Tuesday	Mini-assessment
	Wednesday	Equivalent fractions F-1 
	Thursday	Simplify fractions F-1
	Friday	Improper fractions to mixed numbers F-1 
9 09/11/2020	Monday	Mixed numbers to improper fractions F-1 
	Tuesday	Fractions on a number line F-1
	Wednesday	Compare and order (denominator) F-2/3
	Thursday	Compare and order (numerator) F-2/3
	Friday	Add and subtract fractions (1)

Week	Day	Topic
10 16/11/2020	Monday	Add and subtract fractions activity
	Tuesday	Add and subtract fractions (2)
	Wednesday	Add mixed numbers 
	Thursday	Add fractions
	Friday	Subtract mixed numbers 
11 23/11/2020	Monday	Subtract fractions
	Tuesday	Mixed addition and subtraction
	Wednesday	Multiply fractions by integers
	Thursday	Multiply fractions by fractions
	Friday	Divide fractions by integers (1)
12 30/11/2020	Monday	Divide fractions by integers (2)
	Tuesday	Four rules with fractions
	Wednesday	Fraction of an amount
	Thursday	Fraction of an amount - find the whole
	Friday	Mini-assessment
13 07/12/2020	Monday	The first quadrant
	Tuesday	Four quadrants
	Wednesday	Translations
	Thursday	Reflections
	Friday	Mini-assessment
14 14/12/2020	Activity week. This week we will be providing some themed activities linking to the learning from this term.	

Year 6 – Spring Term



Lesson by lesson overview 2020/21

Week	Day	Topic
1 04/01/2021	Monday	Decimals up to 2 d.p. NPV-2 
	Tuesday	Understand thousandths NPV-2 
	Wednesday	Three decimal places NPV-2
	Thursday	Multiply by 10, 100 and 1,000
	Friday	Divide by 10, 100 and 1,000
2 11/01/2021	Monday	Multiply decimals by integers
	Tuesday	Divide decimals by integers
	Wednesday	Division to solve problems
	Thursday	Decimals as fractions
	Friday	Fractions to decimals (1)
3 18/01/2021	Monday	Fractions to decimals (2)
	Tuesday	Mini-assessment
	Wednesday	Understand percentages 
	Thursday	Fractions to percentages
	Friday	Equivalent FDP
4 25/01/2021	Monday	Order FDP
	Tuesday	Percentage of an amount (1)
	Wednesday	Percentage of an amount (2)
	Thursday	Percentages (missing values)
	Friday	Mini-assessment

Week	Day	Topic
5 01/02/2021	Monday	Find a rule - one step
	Tuesday	Find a rule - two step
	Wednesday	Forming expressions
	Thursday	Substitution
	Friday	Formulae
6 08/02/2021	Monday	Forming equations
	Tuesday	Solve simple one-step equations
	Wednesday	Solve two-step equations
	Thursday	Find pairs of values (1) MD-4
	Friday	Find pairs of values (2) MD-4
7 22/02/2021	Monday	Metric measures
	Tuesday	Convert metric measures
	Wednesday	Calculate with metric measures
	Thursday	Miles and kilometres
	Friday	Imperial measures
8 01/03/2021	Monday	Shapes - same area G-1
	Tuesday	Area and perimeter G-1
	Wednesday	Area of a triangle (1) G-1
	Thursday	Area of a triangle (2) G-1
	Friday	Area of a triangle (3) G-1
9 08/03/2021	Monday	Area of a parallelogram G-1
	Tuesday	What is volume? 
	Wednesday	Volume - counting cubes
	Thursday	Volume of a cuboid
	Friday	Mini-assessment

Week	Day	Topic
10 15/03/2021	Monday	Using ratio language MD-3
	Tuesday	Ratio and fractions MD-3
	Wednesday	Introducing the ratio symbol MD-3
	Thursday	Calculating ratio activity MD-3
	Friday	Calculating ratio MD-3
11 22/03/2021	Monday	Using scale factors MD-3
	Tuesday	Calculating scale factors MD-3
	Wednesday	Ratio and proportion problems MD-3
	Thursday	Ratio and proportion problems (2) MD-3
	Friday	Mini-assessment
12 29/03/2021	Activity week. This week we will be providing some themed activities linking to the learning from this term.	

Year 6 – Summer Term



Lesson by lesson overview 2020/21

Week	Day	Topic
1 12/04/2021	Monday	Read and interpret line graphs
	Tuesday	Draw line graphs
	Wednesday	Use line graphs to solve problems
	Thursday	Circles
	Friday	Read and interpret pie charts
2 19/04/2021	Monday	Pie charts with percentages
	Tuesday	Draw pie charts
	Wednesday	The mean activity
	Thursday	The mean
	Friday	Mini assessment
3 26/04/2021	Monday	Measure with a protractor G-1
	Tuesday	Draw lines and angles accurately G-1
	Wednesday	Introduce angles G-1
	Thursday	Angles on a straight line G-1
	Friday	Angles around a point G-1
4 03/05/2021	Monday	Calculate angles G-1
	Tuesday	Vertically opposite angles G-1
	Wednesday	Angles in a triangle G-1
	Thursday	Angles in a triangle - special cases G-1
	Friday	Angles in a triangle - missing angles G-1

Week	Day	Topic
5 10/05/2021	Monday	Angles in special quadrilaterals G-1
	Tuesday	Angles in regular polygons G-1
	Wednesday	Draw shapes accurately G-1
	Thursday	Draw nets of 3-D shapes G-1
	Friday	Mini-assessment
6 17/05/2021	Themed projects supplied by White Rose Maths and consolidation	
7 24/05/2021		
8 07/06/2021		
9 14/06/2021		

Week	Day	Topic
10 21/06/2021		Themed projects supplied by White Rose Maths and consolidation
11 28/06/2021		
12 05/07/2021		
13 12/07/2021		