


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

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


Week	Day	Topic
10 16/11/2020	Monday	<a href="#">Add and subtract fractions activity</a>
	Tuesday	<a href="#">Add and subtract fractions (2)</a>
	Wednesday	<a href="#">Add mixed numbers</a> <span style="float: right;">R</span>
	Thursday	<a href="#">Add fractions</a>
	Friday	<a href="#">Subtract mixed numbers</a> <span style="float: right;">R</span>
11 23/11/2020	Monday	<a href="#">Subtract fractions</a>
	Tuesday	<a href="#">Mixed addition and subtraction</a>
	Wednesday	<a href="#">Multiply fractions by integers</a>
	Thursday	<a href="#">Multiply fractions by fractions</a>
	Friday	<a href="#">Divide fractions by integers (1)</a>
12 30/11/2020	Monday	<a href="#">Divide fractions by integers (2)</a>
	Tuesday	<a href="#">Four rules with fractions</a>
	Wednesday	<a href="#">Fraction of an amount</a>
	Thursday	<a href="#">Fraction of an amount - find the whole</a>
	Friday	Mini-assessment
13 07/12/2020	Monday	<a href="#">The first quadrant</a>
	Tuesday	<a href="#">Four quadrants</a>
	Wednesday	<a href="#">Translations</a>
	Thursday	<a href="#">Reflections</a>
	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	<a href="#">Decimals up to 2 d.p.</a> NPV-2
	Tuesday	<a href="#">Understand thousandths</a> NPV-2
	Wednesday	<a href="#">Three decimal places</a> NPV-2
	Thursday	<a href="#">Multiply by 10, 100 and 1,000</a>
	Friday	<a href="#">Divide by 10, 100 and 1,000</a>
2 11/01/2021	Monday	<a href="#">Multiply decimals by integers</a>
	Tuesday	<a href="#">Divide decimals by integers</a>
	Wednesday	<a href="#">Division to solve problems</a>
	Thursday	<a href="#">Decimals as fractions</a>
	Friday	<a href="#">Fractions to decimals (1)</a>
3 18/01/2021	Monday	<a href="#">Fractions to decimals (2)</a>
	Tuesday	Mini-assessment
	Wednesday	<a href="#">Understand percentages</a>
	Thursday	<a href="#">Fractions to percentages</a>
	Friday	<a href="#">Equivalent FDP</a>
4 25/01/2021	Monday	<a href="#">Order FDP</a>
	Tuesday	<a href="#">Percentage of an amount (1)</a>
	Wednesday	<a href="#">Percentage of an amount (2)</a>
	Thursday	<a href="#">Percentages (missing values)</a>
	Friday	Mini-assessment

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

Week	Day	Topic	
10 15/03/2021	Monday	<a href="#">Using ratio language</a>	MD-3
	Tuesday	<a href="#">Ratio and fractions</a>	MD-3
	Wednesday	<a href="#">Introducing the ratio symbol</a>	MD-3
	Thursday	<a href="#">Calculating ratio activity</a>	MD-3
	Friday	<a href="#">Calculating ratio</a>	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 <b>G-1</b>
	Tuesday	Angles in regular polygons <b>G-1</b>
	Wednesday	Draw shapes accurately <b>G-1</b>
	Thursday	Draw nets of 3-D shapes <b>G-1</b>
	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		
11 28/06/2021		Themed projects supplied by White Rose Maths and consolidation
12 05/07/2021		
13 12/07/2021		