

AUTUMN term - A whole school plan for primary maths from the White Rose Maths Hub

Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 1	Place Value within 10				Addition and subtraction within 10				Recognise 2D and 3D shapes	Place Value within 20		Consolidation
Year 2	Place Value to 100			Addition and subtraction to 100				Money Combinations of coins and notes		Multiplication 2,5 and 10 tables		
Year 3	Place Value to 1,000			Addition and subtraction 3 digit numbers				Multiplication and division, 3,4 and 8 tables			Consolidation	
Year 4	Place Value 4 digits				Addition and Subtraction			Length & Perimeter	Multiplication and division			Consolidation
Year 5	Place Value - to 6 digits			Addition & subtraction		Statistics		Multiplication & division		Measurement - Perimeter & area		Consolidation
Year 6	Place Value		4 Operations				Fractions				Position & direction	Consolidation

SPRING term - A whole school plan for primary maths from the White Rose Maths Hub

Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 1	Addition and subtraction within 20				Place value within 50 Multiples of 2,5 and 10			Measure units of length and height	Measure units of mass and capacity	Consolidation		
Year 2	Division 2,5 and 10 tables		Statistics		Properties of shape			Fractions		Length & height	Consolidation	
Year 3	Multiplication and division			Money	Statistics		Measurement Length & perimeter			Fractions		Consolidation
Year 4	Multiplication and division			Area	Fractions				Decimals			Consolidation
Year 5	Multiplication and division			Fractions						Decimals and percentages		Consolidation
Year 6	Decimals		Percentages		Algebra		Time	Perimeter area & volume		Ratio		Consolidation

SUMMER term - A whole school plan for primary maths from the White Rose Maths Hub

Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 1	Multiplication and division			Fractions halves and quarters		Movement turns	Place Value within 100		Money coins and notes	Time Sequence events, on hour and half hour, days/ weeks / months		Consolidation
Year 2	Position & Direction			Problem solving		Time			Mass, Capacity & Temperature		Investigations	
Year 3	Fractions			Time			Properties of shapes		Measurement, Mass & Capacity			Consolidation
Year 4	Decimals		Money		Time	Statistics		Properties of shape			Position and direction	Consolidation
Year 5	Decimals				Properties of shape			Position and direction	Measurement converting units		Volume	Consolidation
Year 6	Properties of shape		Problem Solving			Statistics		Investigations				Consolidation

Year 1 Autumn

1	2	3	4	5	6	7	8	9	10	11	12
Number and place value				Addition and subtraction				Geometry	Number and place value		
Place Value within 10				Addition and subtraction within 10				Shape Recognise 2D and 3D shapes	Place Value within 20		Consolidation

Year 1 Spring

1	2	3	4	5	6	7	8	9	10	11	12
Addition and subtraction				Number and place value				Measurement	Measurement		
Addition and subtraction within 20				Place value within 50 Multiples of 2,5 and 10				Measure units of length and height	Measure units of mass and capacity		Consolidation

Year 1 Summer

1	2	3	4	5	6	7	8	9	10	11	12
Multiplication and Division			Fractions		Geometry	Number and place value		Measurement	Measurement		
Introduction to <u>multiplication</u> and <u>division</u>			Fractions Introduction to Fractions, Halves and quarters		Position & <u>direction</u> Turns	Place Value within 100		Money coins and notes	Time Sequence events, on hour and half hour, days/ weeks / months		Consolidation

Year 2 Autumn

1	2	3	4	5	6	7	8	9	10	11	12
Number and place value			Addition and subtraction					Measurement		Multiplication & division	
Place Value to 100			<u>Add and subtract</u> 2 digit and ones, 2 digit and tens 2 digit and 2 digit, 3 single digit numbers					<u>Money - Recognise</u> £ and p Use different combinations of coins		<u>Multiplication</u> 2, 5 and 10 tables	

Year 2 Spring

1	2	3	4	5	6	7	8	9	10	11	12
Multiplication & division		Statistics		Geometry			Fractions			Measurement	Consolidation
<u>Division</u> 2, 5 and 10 tables		<u>Statistics</u>		<u>Shape</u> Identify and describe the properties of 2D and 3D shapes			<u>Fractions</u> Recognise and write $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$, $\frac{3}{4}$.			<u>Measure</u> Choose and use appropriate standard units of length	Consolidation

Year 2 Summer

1	2	3	4	5	6	7	8	9	10	11	12
Geometry			Problem Solving		Measurement			Measurement		Investigations	
<u>Position and movement</u> patterns and sequences rotations and right angles turns			<u>Problem solving</u> and efficient methods		<u>Time</u> Tell the time to 5 minutes, Compare and sequence time, hrs in a day, mins in an hour			<u>Measurement</u> Choose and use appropriate standard units of mass, capacity and temperature		<u>Investigations</u>	

Year 3 Autumn

1	2	3	4	5	6	7	8	9	10	11	12
Number and place value			Addition and subtraction				Multiplication and division				
Place Value to 1,000			<u>Add and subtract mentally,</u> 3 digit and ones, 3 digit and tens, 3 digit and hundreds, Formal methods				<u>Multiplication and division</u> facts for 3,4 and 8 tables				Consolidation

Year 3 Spring

1	2	3	4	5	6	7	8	9	10	11	12
Multiplication and division			Measurement	Statistics	Measurement			Fractions			
<u>Multiplication and division</u> 2digit by1 digit, mental and formal methods			<u>Money</u> Add & subtract	<u>Statistics,</u> Interpret and present bar charts, pictograms and tables	<u>Measurement,</u> Add and subtract lengths Find perimeter of 2D shapes			<u>Fractions</u> Count in tenths, Unit and non unit fractions			Consolidation

Year 3 Summer

1	2	3	4	5	6	7	8	9	10	11	12
Fractions			Measurement			Geometry	Measurement				
<u>Fractions</u> equivalence and compare fractions, Add and subtract same denominator within a whole			<u>Time</u> to the minute, Roman numerals, 12 and 24 hr clock duration of events			<u>Shape</u> Identify angles and lines, Draw 2D and make 3D shapes	<u>Measurement</u> Add and subtract Mass and capacity units				Consolidation

Year 4 Autumn

1	2	3	4	5	6	7	8	9	10	11	12	
Number and place value				Addition and subtraction			Measurement	Multiplication and division				
Place Value - 4 digits				Addition and subtraction 4 digits using mental and formal methods			Perimeter of rectilinear	Multiplication and division, tables to 12 x 12, multiply and divide by 1, multiply by 0, multiply together 3 numbers				Consolidation

Year 4 Spring

1	2	3	4	5	6	7	8	9	10	11	12	
Multiplication and division			Measurement	Fractions				Decimals				
Multiplication and division, factor pairs, formal methods 2 and 3 digit by 1 digit			Area of rectilinear shapes	Fractions, Count in hundredths, show equivalent fractions, add and subtract fractions, find fraction of amounts				Decimals recognise tenths and hundredths, divide 2 digits by 10 and 100				Consolidation

Year 4 Summer

1	2	3	4	5	6	7	8	9	10	11	12	
Decimals		Measurement		Measurement	Statistics		Geometry			Geometry		
Decimals Round decimals to 1dp, recognise 1/4, 1/2 & 3/4		Money Estimate, calculate and compare		Time, convert hr to min, 12 to 24 hr	Statistics, discrete and continuous data		Properties of shape, Identify and compare angles, classify shapes, lines of symmetry			Position & direction, Co-ordinates and translations		Consolidation

Year 5 Autumn

1	2	3	4	5	6	7	8	9	10	11	12
Number and place value			Addition and subtraction		Statistics		Multiplication and division		Measurement		
Place Value - up to 6 digit			Addition and subtraction, mentally formally 4 digit		Statistics, line graphs and tables		Multiplication and division, $\times \div 10,100$ & 1000 , prime square and cube numbers		Perimeter & area, Perimeter of composite shapes, area of rectangles.		Consolidation

Year 5 Spring

1	2	3	4	5	6	7	8	9	10	11	12		
Multiplication and division			Fractions									Decimals	
Multiplication and division formal methods, multiply 4 digit by 1 digit and 2 digit, divide 4 digit by 1 digit			Fractions Mixed fractions and improper fractions, Add and subtract fractions, multiply fractions by whole numbers, Read and write decimals as fractions									Decimals and Percentages compare to 3d.p. recognise and understand per cent	Consolidation

Year 5 Summer

1	2	3	4	5	6	7	8	9	10	11	12
Decimals				Geometry			Geometry	Measurement		Measurement	
Decimals multiply and divide numbers by 10, 100 & 1,000 Use 4 operations to solve measurement problems				Properties of shapes and angles degrees in straight line and about a circle, regular and irregular polygons			Position & movement reflection and translation	Measurement, converting units imperial measurements		Measurement volume	Consolidation

Year 6 Autumn

1	2	3	4	5	6	7	8	9	10	11	12
Number and place value		4 Operations				Fractions				Geometry	Consolidation
Place Value - up to 7 digit		Addition, subtraction, multiplication and division Formal method - multiply & divide 4 digit by 2 digit				Fractions Add, subtract, multiply and divide fractions, order and compare fractions				Position & direction, co-ordinates & translation	Consolidation

Year 6 Spring

1	2	3	4	5	6	7	8	9	10	11	12
Decimals		Percentages		Algebra		Measurement	Measurement		Ratio		Consolidation
Decimals multiply 2d.p. by whole numbers, $\times \div$ by 10,100 & 1,000		Percentages, equivalences between FDP, Calculate percentage of amounts		Algebra use simple formulae, missing number problems, equations with 2 unknowns		Measurement, converting units to 3 d.p.	Perimeter, area & volume, area of parallelograms, triangles, volume of cubes and cuboids		Ratio		Consolidation

Year 6 Summer

1	2	3	4	5	6	7	8	9	10	11	12	
Geometry		Problem solving				Statistics		Investigations				Consolidation
Properties of shape, draw 2D shapes, find missing angles		Problem solving				Statistics, Identify parts of a circle, construct pie charts and line graphs		Investigations				Consolidation