

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
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	Place Value to 100			Addition and subtraction to 100					Money Combinations of coins and notes		Multiplication 2,5 and 10 tables	
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 3	Place Value to 1,000			Addition and subtraction 3 digit numbers					Multiplication and division, 3,4 and 8 tables			Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 4	Place Value 4 digits				Addition and Subtraction			Length & Perimeter	Multiplication and division			Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 5	Place Value - to 6 digits			Addition & subtraction		Statistics		Multiplication & division		Measurement - Perimeter & area		Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
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
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	Division 2,5 and 10 tables		Statistics		Properties of shape			Fractions			Length & height	Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 3	Multiplication and division			Money	Statistics		Measurement Length & perimeter			Fractions		Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 4	Multiplication and division			Area	Fractions				Decimals			Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 5	Multiplication and division			Fractions						Decimals and percentages		Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
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
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 2	Position & Direction			Problem solving		Time			Mass, Capacity & Temperature		Investigations	
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 3	Fractions			Time			Properties of shapes		Measurement, Mass & Capacity			Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 4	Decimals		Money		Time	Statistics		Properties of shape			Position and direction	Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
Year 5	Decimals				Properties of shape			Position and direction	Measurement converting units		Volume	Consolidation
Week	1	2	3	4	5	6	7	8	9	10	11	12
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	
Division 2, 5 and 10 tables		Statistics		<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			Add and subtract mentally, 3 digit and ones, 3 digit and tens, 3 digit and hundreds, Formal methods					Multiplication and division 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		
Multiplication and division 2digit by1 digit, mental and formal methods			Money Add & subtract	Statistics, Interpret and present bar charts, pictograms and tables		Measurement, Add and subtract lengths Find perimeter of 2D shapes			Fractions 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			
Fractions equivalence and compare fractions, Add and subtract same denominator within a whole			Time to the minute, Roman numerals, 12 and 24 hr clock duration of events			Shape Identify angles and lines, Draw 2D and make 3D shapes		Measurement 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 $\frac{1}{4}$, $\frac{1}{2}$ & $\frac{3}{4}$		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	

Year 6 Spring

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

Year 6 Summer

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