

Power Maths to White Rose SOL matching chart KS2

Year 3

Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3A	Unit 1, Place value within 1,000	<ul style="list-style-type: none"> ● Counting in 100s ● Representing numbers to 1,000 ● 100s, 10s and 1s (1) ● 100s, 10s and 1s (2) ● The number line to 1,000 (1) ● The number line to 1,000 (2) ● Finding 1, 10 and 100 more or less ● Comparing numbers to 1,000 (1) ● Comparing numbers to 1,000 (2) ● Ordering numbers to 1,000 ● Counting in 50s 	Autumn	Number: Place value	<ul style="list-style-type: none"> ● Hundreds ● Represent numbers to 1,000 ● 100s, 10s and 1s (1) ● 100s, 10s and 1s (2) ● Number line to 1,000 ● Find 1, 10, 100 more or less than a given number ● Compare objects to 1,000 ● Compare numbers to 1,000 ● Order numbers ● Count in 50s



Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3A	Unit 2, Addition and subtraction (1)	<ul style="list-style-type: none"> • Adding and subtracting 100s • Adding and subtracting a 3-digit number and 1s • Adding a 3-digit number and 1s • Subtracting 1s from a 3-digit number • Adding and subtracting a 3-digit number and 10s • Adding a 3-digit number and 10s • Subtracting 10s from a 3-digit number • Adding and subtracting a 3-digit and 2-digit number • Adding a 3-digit and 2-digit number • Subtracting a 2-digit number from a 3-digit number 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Add and subtract multiples of 100 • Add and subtract 3-digit and 1-digit numbers – not crossing 10 • Add 3-digit and 1-digit numbers – crossing 10 • Subtract a 1-digit number from a 3-digit number – crossing 10 • Add and subtract 3-digit and 2-digit numbers – not crossing 100 • Add 3-digit and 2-digit numbers – crossing 100 • Subtract a 2-digit number from a 3-digit number – crossing 100 • Add and subtract a 2-digit and 3-digit numbers – not crossing 10 or 100 • Add a 2-digit and 3-digit numbers – crossing 10 or 100 • Subtract a 2-digit number from a 3-digit number – crossing 10 or 100

Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3A	Unit 3, Addition and subtraction (2)	<ul style="list-style-type: none"> • Addition and subtraction patterns • Adding two 3-digit numbers (1) • Adding two 3-digit numbers (2) • Subtracting a 3-digit number from a 3-digit number (1) • Subtracting a 3-digit number from a 3-digit number (2) • Estimating answers to additions and subtractions • Checking strategies • Problem solving – addition and subtraction (1) • Problem solving – addition and subtraction (2) 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Spot the pattern – making it explicit • Add two 3-digit numbers – not crossing 10 or 100 • Add two 3-digit numbers – crossing 10 or 100 • Subtract a 3-digit number from a 3-digit number – no exchange • Subtract a 3-digit number from a 3-digit number – exchange • Estimate answers to calculations • Check answers

Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3A	Unit 4, Multiplication and division (1)	<ul style="list-style-type: none"> ● Multiplication – equal grouping ● Multiplying by 3 ● Dividing by 3 ● 3 times-table ● Multiplying by 4 ● Dividing by 4 ● 4 times-table ● Multiplying by 8 ● Dividing by 8 ● 8 times-table ● Problem solving – multiplication and division (1) ● Problem solving – multiplication and division (2) ● Understanding divisibility (1) ● Understanding divisibility (2) ● Related facts – multiplication and division 	Autumn	Number: Multiplication & Division	<ul style="list-style-type: none"> ● Multiplication – equal groups ● Multiply by 3 ● Divide by 3 ● The 3 times table ● Multiply by 4 ● Divide by 4 ● The 4 times table ● Multiply by 8 ● Divide by 8 ● The 8 times table



Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3B	Unit 5, Multiplication and division (2)	<ul style="list-style-type: none"> • Comparing multiplication and division statements (1) • Related multiplication calculations • Related multiplication and division calculations • Comparing multiplication and division statements (2) • Multiplying a 2-digit number by a 1-digit number (1) • Multiplying a 2-digit number by a 1-digit number (2) • Multiplying a 2-digit number by a 1-digit number (3) • Dividing a 2-digit number by a 1-digit number (1) • Dividing a 2-digit number by a 1-digit number (2) • Dividing a 2-digit number by a 1-digit number (3) • How many ways? • Problem solving – mixed problems (1) • Problem solving – mixed problems (2) • Problem solving – mixed problems (3) 	Spring	Number: Multiplication & Division	<ul style="list-style-type: none"> • Comparing statements • Related calculations • Multiply 2-digits by 1-digit (1) • Multiply 2-digits by 1-digit (2) • Divide 2-digits by 1-digit (1) • Divide 2-digits by 1-digit (2) • Divide 2-digits by 1-digit (3) • How many ways? • Scaling
Textbook 3B	Unit 6, Money	<ul style="list-style-type: none"> • Pounds and pence • Converting pounds and pence • Adding money • Subtracting amounts of money • Problem solving – money 	Spring	Measurement: Money	<ul style="list-style-type: none"> • Pounds and pence • Convert pounds and pence • Add money • Subtract money • Give change



Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3B	Unit 7, Statistics	<ul style="list-style-type: none"> ● Pictograms (1) ● Pictograms (2) ● Bar charts (1) ● Bar charts (2) ● Tables 	Spring	Statistics	<ul style="list-style-type: none"> ● Pictograms ● Bar charts ● Tables
Textbook 3B	Unit 8, Length	<ul style="list-style-type: none"> ● Measuring length (1) ● Measuring length (2) ● Equivalent lengths – metres and centimetres ● Equivalent lengths – centimetres and millimetres ● Comparing lengths ● Adding lengths ● Subtracting lengths ● Measuring the perimeter (1) ● Measuring the perimeter (2) ● Problem solving – length (1) ● Problem solving – length (2) 	Spring	Measurement: Length & Perimeter	<ul style="list-style-type: none"> ● Measure length ● Equivalent lengths – m & cm ● Equivalent lengths – mm & cm ● Compare lengths ● Add lengths ● Subtract lengths ● Measure perimeter ● Calculate perimeter
Textbook 3B	Unit 9, Fractions (1)	<ul style="list-style-type: none"> ● Unit and non-unit fractions ● Making the whole ● Tenths (1) ● Tenths (2) ● Fractions as numbers (1) ● Fractions as numbers (2) ● Fractions as numbers (3) ● Fractions of a set of objects (1) ● Fractions of a set of objects (2) ● Fractions of a set of objects (3) ● Problem solving – fractions 	Spring	Fractions	<ul style="list-style-type: none"> ● Unit and non-unit fractions ● Making the whole ● Tenths ● Count in tenths ● Fractions on a number line ● Fractions of a set of objects (1) ● Fractions of a set of objects (2) ● Fractions of a set of objects (3)



Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3C	Unit 10, Fractions (2)	<ul style="list-style-type: none"> • Equivalent fractions (1) • Equivalent fractions (2) • Equivalent fractions (3) • Comparing fractions • Comparing and ordering fractions • Adding fractions • Subtracting fractions • Problem solving – adding and subtracting fractions • Problem solving – fractions of measures 	Summer	Fractions	<ul style="list-style-type: none"> • Equivalent fractions (1) • Equivalent fractions (2) • Equivalent fractions (3) • Compare fractions • Order fractions • Add fractions • Subtract fractions
Textbook 3C	Unit 11, Time	<ul style="list-style-type: none"> • Months and years • Hours in a day • Estimating time • Telling time to 5 minutes • Telling time to the minute (1) • Telling time to the minute (2) • Telling time to the minute (3) • Finding the duration • Comparing duration • Finding start and end times • Measuring time in seconds 	Summer	Measurement: Time	<ul style="list-style-type: none"> • Months and years • Hours in a day • Telling time to 5 minutes • Telling time to the minute • Using a.m. and p.m. • 24-hour clock • Finding the duration • Comparing durations • Start and end times • Measuring time in seconds

Power Maths Year 3			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 3C	Unit 12, Angles and properties of shapes	<ul style="list-style-type: none"> • Turns and angles • Right angles in shapes • Comparing angles • Drawing accurately • Types of line (1) • Types of line (2) • Recognising and describing 2D shapes • Recognising and describing 3D shapes • Constructing 3D shapes 	Summer	Geometry: Properties of Shape	<ul style="list-style-type: none"> • Turns and angles • Right angles in shapes • Compare angles • Draw accurately • Horizontal and vertical • Parallel and perpendicular • Recognise and describe 2D shapes • Recognise and describe 3D shapes • Make 3D shapes
Textbook 3C	Unit 13, Mass	<ul style="list-style-type: none"> • Measuring mass (1) • Measuring mass (2) • Measuring mass (3) • Comparing masses • Adding and subtracting masses • Problem solving – mass 	Summer	Measurement: Mass & Capacity	<ul style="list-style-type: none"> • Measure mass (1) • Measure mass (2) • Compare mass • Add and subtract mass
Textbook 3C	Unit 14, Capacity	<ul style="list-style-type: none"> • Measuring capacity (1) • Measuring capacity (2) • Measuring capacity (3) • Comparing capacities • Adding and subtracting capacities • Problem solving – capacity 	Summer	Measurement: Mass & Capacity	<ul style="list-style-type: none"> • Measure capacity (1) • Measure capacity (2) • Compare capacity • Add and subtract capacity

Year 4

Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4A	Unit 1, Place value – 4-digit numbers (1)	<ul style="list-style-type: none"> • Numbers to 1,000 • Rounding to the nearest 10 • Rounding to the nearest 100 • Counting in 1,000s • Representing 4-digit numbers • 1,000s, 100s, 10s and 1s • The number line to 10,000 (1) • The number line to 10,000 (2) • Roman numerals to 100 	Autumn	Number: Place value	<ul style="list-style-type: none"> • Round to the nearest 10 • Round to the nearest 100 • Count in 1,000s • 1,000s, 100s, 10s and 1s • Partitioning • Number line to 10,000 • Roman numerals to 100
Textbook 4A	Unit 2, Place value – 4-digit numbers (2)	<ul style="list-style-type: none"> • Finding 1,000 more or less • Comparing 4-digit numbers (1) • Comparing 4-digit numbers (2) • Ordering numbers to 10,000 • Rounding to the nearest 1,000 • Solving problems using rounding • Counting in 25s • Negative numbers (1) • Negative numbers (2) 	Autumn	Number: Place value	<ul style="list-style-type: none"> • 1,000 more or less • Compare numbers • Order numbers • Round to the nearest 1,000 • Count in 25s • Negative numbers

Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4A	Unit 3, Addition and subtraction	<ul style="list-style-type: none"> • Adding and subtracting 1s, 10s, 100s, 1000s • Adding two 4-digit numbers (1) • Adding two 4-digit numbers (2) • Adding two 4-digit numbers (3) • Subtracting two 4-digit numbers (1) • Subtracting two 4-digit numbers (2) • Subtracting two 4-digit numbers (3) • Subtracting two 4-digit numbers (4) • Equivalent difference • Estimating answers to additions and subtractions • Checking strategies • Problem solving – addition and subtraction (1) • Problem solving – addition and subtraction (2) • Problem solving – addition and subtraction (3) • Problem solving – addition and subtraction (4) 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Add and subtract 1s, 10s, 100s and 1,000s • Add two 4-digit numbers – no exchange • Add two 4-digit numbers – one exchange • Add two 4-digit numbers – more than one exchange • Subtract two 4-digit numbers – no exchange • Subtract two 4-digit numbers – one exchange • Subtract two 4-digit numbers – more than one exchange • Estimate answers • Checking strategies



Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4A	Unit 4, Measure – perimeter	<ul style="list-style-type: none"> • Kilometres • Perimeter of a rectangle (1) • Perimeter of a rectangle (2) • Perimeter of rectilinear shapes (1) • Perimeter of rectilinear shapes (2) 	Autumn	Measurement: Length & Perimeter	<ul style="list-style-type: none"> • Kilometres • Perimeter on a grid • Perimeter of a rectangle • Perimeter of rectilinear shapes
Textbook 4A	Unit 5, Multiplication and division (1)	<ul style="list-style-type: none"> • Multiplying by multiples of 10 and 100 • Dividing multiples of 10 and 100 • Multiplying by 0 and 1 • Dividing by 1 • Multiplying and dividing by 6 • 6 times-table • Multiplying and dividing by 9 • 9 times-table • Multiplying and dividing by 7 • 7 times-table • 11 and 12 times-tables 	Autumn	Number: Multiplication & Division	<ul style="list-style-type: none"> • Multiply by 10 • Multiply by 100 • Divide by 10 • Divide by 100 • Multiply by 1 and 0 • Divide by 1 and itself • Multiply and divide by 6 • 6 times table and division facts • Multiply and divide by 9 • 9 times table and division facts • Multiply and divide by 7 • 7 times table and division facts
			Spring	Number: Multiplication & Division	<ul style="list-style-type: none"> • 11 and 12 times-table



Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4B	Unit 6, Multiplication and division (2)	<ul style="list-style-type: none"> • Problem solving – addition and multiplication • Problem solving – mixed problems • Using written methods to multiply • Multiplying a 2-digit number by a 1-digit number • Multiplying a 3-digit number by a 1-digit number • Problem solving – multiplication • Multiplying more than two numbers (1) • Multiplying more than two numbers (2) • Problem solving – mixed correspondence problems • Dividing a 2-digit number by a 1-digit number (1) • Division with remainders • Dividing a 2-digit number by a 1-digit number (2) • Dividing a 2-digit number by a 1-digit number (3) • Dividing a 3-digit number by a 1-digit number • Problem solving – division 	Spring	Number: Multiplication & Division	<ul style="list-style-type: none"> • Written methods • Multiply 2-digits by 1-digit • Multiply 3-digits by 1-digit • Multiply 3 numbers • Factor pairs • Divide 2-digits by 1-digit (1) • Divide 2-digits by 1-digit (2) • Divide 3-digits by 1-digit • Correspondence problems
Textbook 4B	Unit 7, Measure – area	<ul style="list-style-type: none"> • What is area? • Counting squares (1) • Counting squares (2) • Making shapes • Comparing area 	Spring	Measurement: Area	<ul style="list-style-type: none"> • What is area? • Counting squares • Making shapes • Comparing area

Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4B	Unit 8, Fractions (1)	<ul style="list-style-type: none"> • Tenths and hundredths (1) • Tenths and hundredths (2) • Equivalent fractions (1) • Equivalent fractions (2) • Simplifying fractions • Fractions greater than 1 (1) • Fractions greater than 1 (2) 	Spring	Number: Decimals	<ul style="list-style-type: none"> • Recognise tenths and hundredths
			Spring	Number: Fractions	<ul style="list-style-type: none"> • Equivalent fractions (1) • Equivalent fractions (2) • Fractions greater than 1 • Count in fractions
Textbook 4B	Unit 9, Fractions (2)	<ul style="list-style-type: none"> • Adding fractions • Subtracting fractions (1) • Subtracting fractions (2) • Problem solving – adding and subtracting fractions (1) • Problem solving – adding and subtracting fractions (2) • Calculating fractions of a quantity • Problem solving – fraction of a quantity (1) • Problem solving – fraction of a quantity (2) 	Spring	Number: Fractions	<ul style="list-style-type: none"> • Add 2 or more fractions • Subtract 2 fractions • Subtract from whole amounts • Calculate fractions of a quantity • Problem solving – calculate quantities
Textbook 4B	Unit 10, Decimals (1)	<ul style="list-style-type: none"> • Tenths (1) • Tenths (2) • Tenths (3) • Dividing by 10 (1) • Dividing by 10 (2) • Hundredths (1) • Hundredths (2) • Hundredths (3) • Dividing by 100 • Dividing by 10 and 100 	Spring	Number: Decimals	<ul style="list-style-type: none"> • Recognise tenths and hundredths • Tenths as decimals • Tenths on a place value grid • Tenths on a number line • Divide 1-digit by 10 • Divide 2-digits by 10 • Hundredths • Hundredths as decimals • Hundredths on a place value grid • Divide 1 or 2-digits by 100

Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4C	Unit 11, Decimals (2)	<ul style="list-style-type: none"> • Making a whole • Writing decimals • Comparing decimals • Ordering decimals • Rounding decimals • Halves and quarters • Problem solving – decimals 	Summer	Number: Decimals	<ul style="list-style-type: none"> • Making a whole • Write decimals • Compare decimals • Order decimals • Round decimals • Halves and quarters
Textbook 4C	Unit 12, Money	<ul style="list-style-type: none"> • Pounds and pence • Pounds, tenths and hundredths • Ordering amounts of money • Rounding money • Using rounding to estimate money • Problem solving – pounds and pence • Problem solving – multiplication and division • Solving two-step problems • Problem solving – money 	Summer	Measurement: Money	<ul style="list-style-type: none"> • Pounds and pence • Ordering money • Estimating money • Four operations
Textbook 4C	Unit 13, Time	<ul style="list-style-type: none"> • Units of time (1) • Units of time (2) • Converting times (1) • Converting times (2) • Problem solving – units of time 	Summer	Measurement: Time	<ul style="list-style-type: none"> • Hours, minutes and seconds • Years, months, weeks and days • Analogue to digital – 12 hour • Analogue to digital – 24 hour
Textbook 4C	Unit 14, Statistics	<ul style="list-style-type: none"> • Charts and tables (1) • Charts and tables (2) • Line graphs (1) • Line graphs (2) • Problem solving – graphs 	Summer	Statistics	<ul style="list-style-type: none"> • Interpret charts • Comparison, sum & difference • Introducing line graphs • Line graphs

Power Maths Year 4			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 4C	Unit 15, Geometry – angles and 2D shapes	<ul style="list-style-type: none"> • Identifying angles • Comparing and ordering angles • Identifying regular and irregular shapes • Classifying triangles • Classifying and comparing quadrilaterals • Deducing facts about shapes • Lines of symmetry inside a shape • Lines of symmetry outside a shape • Completing a symmetric figure • Completing a symmetric shape 	Summer	Geometry: Properties of Shapes	<ul style="list-style-type: none"> • Identify angles • Compare and order angles • Triangles • Quadrilaterals • Lines of symmetry • Complete a symmetric figure
Textbook 4C	Unit 16, Geometry – position and direction	<ul style="list-style-type: none"> • Describing position (1) • Describing position (2) • Drawing on a grid • Reasoning on a grid • Moving on a grid • Describing a movement on a grid 	Summer	Geometry: Position & Direction	<ul style="list-style-type: none"> • Describe position • Draw on a grid • Move on a grid • Describe a movement on a grid



Year 5

Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5A	Unit 1, Place value within 100,000	<ul style="list-style-type: none"> Numbers to 10,000 Rounding to the nearest 10, 100 and 1,000 10,000s, 1,000s, 100s, 10s and 1s (1) 10,000s, 1,000s, 100s, 10s and 1s (2) The number line to 100,000 Comparing and ordering numbers to 100,000 Rounding numbers within 100,000 Roman numerals to 10,000 	Autumn	Number: Place value	<ul style="list-style-type: none"> Numbers to 10,000 Round to nearest 10, 100 and 1,000 Numbers to 100,000 Compare and order numbers to 100,000 Round numbers within 100,000 Roman numerals to 1,000
Textbook 5A	Unit 2, Place value within 1,000,000	<ul style="list-style-type: none"> 100,000s 10,000s, 1,000s, 100s, 10s and 1s (1) 100,000s 10,000s, 1,000s, 100s, 10s and 1s (2) Number line to 1,000,000 Comparing and ordering numbers to 1,000,000 Rounding numbers to a 1,000,000 Negative numbers Counting in 10s, 100s, 1,000s, 10,000s Number sequences 	Autumn	Number: Place value	<ul style="list-style-type: none"> Numbers to 100,000 Compare and order numbers to 100,000 Numbers to a million Compare and order numbers to one million Round numbers to one million Negative numbers Counting in 10s, 100s, 1,000s, 10,000s, and 100,000s



Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5A	Unit 3, Addition and subtraction	<ul style="list-style-type: none"> • Adding whole numbers with more than 4 digits (1) • Adding whole numbers with more than 4 digits (2) • Subtracting whole numbers with more than 4 digits (1) • Subtracting whole numbers with more than 4 digits (2) • Using rounding to estimate and check answers • Mental addition and subtraction (1) • Mental addition and subtraction (2) • Using inverse operations • Problem solving – addition and subtraction (1) • Problem solving – addition and subtraction (2) 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Add whole numbers with more than 4 digits (column method) • Subtract whole numbers with more than 4 digits (column method) • Round to estimate and approximate • Inverse operations (addition and subtraction) • Multi-step addition and subtraction problems
Textbook 5A	Unit 4, Graphs and tables	<ul style="list-style-type: none"> • Interpreting tables • Two-way tables • Interpreting line graphs (1) • Interpreting line graphs (2) • Drawing line graphs 	Autumn	Statistics	<ul style="list-style-type: none"> • Read and interpret tables • Two-way tables • Read and interpret line graphs • Use line graphs to solve problems • Draw line graphs

Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5A	Unit 5, Multiplication and division (1)	<ul style="list-style-type: none"> • Multiples • Factors • Prime numbers • Using factors • Squares • Cubes • Inverse operations • Multiplying whole numbers by 10, 100 and 1,000 • Dividing whole numbers by 10, 100 and 1,000 • Multiplying and dividing by multiples of 10, 100 and 1,000 	Autumn	Number: Multiplication & Division	<ul style="list-style-type: none"> • Multiples • Factors • Prime numbers • Common factors • Square numbers • Cube numbers • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000 • Multiples of 10, 100 and 1,000
Textbook 5A	Unit 6, Measure – area and perimeter	<ul style="list-style-type: none"> • Measuring perimeter • Calculating perimeter (1) • Calculating perimeter (2) • Calculating area (1) • Calculating area (2) • Comparing area • Estimating area 	Autumn	Measurement: Perimeter & Area	<ul style="list-style-type: none"> • Measure perimeter • Calculate perimeter • Area of rectangles

Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5B	Unit 7, Multiplication and division (2)	<ul style="list-style-type: none"> • Multiplying numbers up to 4 digits by a 1-digit number • Multiplying 2-digit numbers (1) • Multiplying 2-digit numbers (2) • Multiplying 2-digit numbers (3) • Multiplying a 3-digit number by a 2-digit number • Multiplying a 4-digit number by a 2-digit number • Dividing up to a 4-digit number by a 1-digit number (1) • Dividing up to a 4-digit number by a 1-digit number (2) • Division with remainders (1) • Division with remainders (2) • Problem solving – division with remainders 	Spring	Number: Multiplication & Division	<ul style="list-style-type: none"> • Multiply 4-digits by 1-digit • Multiply 2-digits (area model) • Multiply 2-digits by 2-digits • Multiply 3-digits by 2-digits • Multiply 4-digits by 2-digits • Divide 4-digits by 1-digit • Divide with remainders
Textbook 5B	Unit 8, Fractions (1)	<ul style="list-style-type: none"> • Equivalent fractions • Converting improper fractions to mixed numbers • Converting mixed numbers to improper fractions • Number sequences • Comparing and ordering fractions (1) • Comparing and ordering fractions (2) • Fractions as division (1) • Fractions as division (2) 	Spring	Number: Fractions	<ul style="list-style-type: none"> • Equivalent fractions • Improper fractions to mixed numbers • Mixed numbers to improper fractions • Number sequences • Compare and order fractions less than 1 • Compare and order fractions greater than 1



Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5B	Unit 9, Fractions (2)	<ul style="list-style-type: none"> • Adding and subtracting fractions with the same denominator • Adding and subtracting fractions (1) • Adding and subtracting fractions (2) • Adding fractions (1) • Adding fractions (2) • Adding fractions (3) • Subtracting fractions (1) • Subtracting fractions (2) • Subtracting fractions (3) • Subtracting fractions (4) • Problem solving – mixed word problems (1) • Problem solving – mixed word problems (2) 	Spring	Number: Fractions	<ul style="list-style-type: none"> • Add fractions within 1 • Add and subtract fractions • Add 3 or more fractions • Add fractions • Add mixed numbers • Subtract fractions • Subtract mixed numbers • Subtract – breaking the whole • Subtract – 2 mixed numbers
Textbook 5B	Unit 10, Fractions (3)	<ul style="list-style-type: none"> • Multiplying fractions (1) • Multiplying fractions (2) • Multiplying fractions (3) • Multiplying fractions (4) • Calculating fractions of amounts • Using fractions as operators • Problem solving – mixed word problems 	Spring	Number: Fractions	<ul style="list-style-type: none"> • Multiply unit fractions by an integer • Multiply non-unit fractions by an integer • Multiply mixed numbers by integers • Fraction of an amount • Using fractions as operators



Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5B	Unit 11, Decimals and percentages	<ul style="list-style-type: none"> ● Writing decimals (1) ● Writing decimals (2) ● Decimals as fractions (1) ● Decimals as fractions (2) ● Understanding thousandths ● Writing thousandths as decimals ● Ordering and comparing decimals (1) ● Ordering and comparing decimals (2) ● Rounding decimals ● Understanding percentages ● Percentages as fractions and decimals ● Equivalent fractions, decimals and percentages 	Spring	Number: Decimals & Percentages	<ul style="list-style-type: none"> ● Decimals up to 2 d.p. ● Decimals as fractions (1) ● Decimals as fractions (2) ● Understand thousandths ● Thousandths as decimals ● Order and compare decimals ● Rounding decimals ● Understand percentages ● Percentages as fractions and decimals ● Equivalent F.D.P.



Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5C	Unit 12, Decimals	<ul style="list-style-type: none"> ● Adding and subtracting decimals (1) ● Adding and subtracting decimals (2) ● Adding and subtracting decimals (3) ● Adding and subtracting decimals (4) ● Adding and subtracting decimals (5) ● Adding and subtracting decimals (6) ● Adding and subtracting decimals (7) ● Adding and subtracting decimals (8) ● Decimal sequences ● Problem solving – decimals (1) ● Problem solving – decimals (2) ● Multiplying decimals by 10 ● Multiplying decimals by 10, 100 and 1,000 ● Dividing decimals by 10 ● Dividing decimals by 10, 100 and 1,000 	Summer	Number: Decimals	<ul style="list-style-type: none"> ● Adding decimals within 1 ● Subtracting decimals within 1 ● Complements to 1 ● Adding decimals – crossing the whole ● Adding decimals with the same number of decimal places ● Subtracting decimals with the same number of decimal places ● Adding decimals with a different number of decimal places ● Subtracting decimals with a different number of decimal places ● Adding and subtracting wholes and decimals ● Decimal sequences ● Multiplying decimals by 10, 100 and 1,000 ● Dividing decimals by 10, 100 and 1,000



Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5C	Unit 13, Geometry - properties of shapes (1)	<ul style="list-style-type: none"> Measuring angles in degrees Measuring with a protractor (1) Measuring with a protractor (2) Drawing lines and angles accurately Calculating angles on a straight line Calculating angles around a point Calculating lengths and angles in shapes 	Summer	Geometry: Properties of Shapes	<ul style="list-style-type: none"> Measuring angles in degrees Measuring with a protractor (1) Measuring with a protractor (2) Drawing lines and angles accurately Calculating angles on a straight line Calculating angles around a point Calculating lengths and angles in shapes
Textbook 5C	Unit 14, Geometry - properties of shapes (2)	<ul style="list-style-type: none"> Recognising and drawing parallel lines Recognising and drawing perpendicular lines Reasoning about parallel and perpendicular lines Regular and irregular polygons Reasoning about 3D shapes 	Year 3 Summer	Geometry: Properties of Shape	<ul style="list-style-type: none"> Parallel and perpendicular
			Summer	Geometry: Properties of Shape	<ul style="list-style-type: none"> Calculating lengths and angles in shapes Regular and irregular polygons Reasoning about 3D shapes
Textbook 5C	Unit 15, Geometry – position and direction	<ul style="list-style-type: none"> Reflection Reflection with coordinates Translation Translation with coordinates 	Summer	Geometry: Position & Direction	<ul style="list-style-type: none"> Reflection Reflection with coordinates Translation Translation with coordinates



Power Maths Year 5			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 5C	Unit 16, Measure – converting units	<ul style="list-style-type: none"> ● Metric units (1) ● Metric units (2) ● Metric units (3) ● Metric units (4) ● Imperial units of length ● Imperial units of mass ● Imperial units of capacity ● Converting units of time ● Timetables ● Problem solving – measure 	Summer	Measurement: Converting Units	<ul style="list-style-type: none"> ● Metric units ● Imperial units ● Kilograms and kilometres ● Milligrams and millilitres ● Converting units of time ● Timetables
			Autumn	Statistics	<ul style="list-style-type: none"> ● Timetables
Textbook 5C	Unit 17, Measure – volume and capacity	<ul style="list-style-type: none"> ● What is volume? ● Comparing volumes ● Estimating volume ● Estimating capacity 	Summer	Measurement: Volume	<ul style="list-style-type: none"> ● What is volume? ● Compare volume ● Estimate volume ● Estimate capacity

Year 6

Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6A	Unit 1, Place value within 10,000,000	<ul style="list-style-type: none"> • Numbers to 1,000,000 • Numbers to 10,000,000 (1) • Numbers to 10,000,000 (2) • Number line to 10,000,000 • Comparing and ordering numbers to 10,000,000 • Rounding numbers • Negative numbers 	Autumn	Number: Place value	<ul style="list-style-type: none"> • Numbers to ten million • Compare and order any number • Round any number • Negative numbers
Textbook 6A	Unit 2, Four operations (1)	<ul style="list-style-type: none"> • Problem solving – using written methods of addition and subtraction (1) • Problem solving – using written methods of addition and subtraction (2) • Multiplying numbers up to 4 digits by a 1-digit number • Multiplying numbers up to 4 digits by a 2-digit number • Dividing numbers up to 4 digits by a 2-digit number (1) • Dividing numbers up to 4 digits by a 2-digit number (2) • Dividing numbers up to 4 digits by a 2-digit number (3) • Dividing numbers up to 4 digits by a 2-digit number (4) • Dividing numbers up to 4 digits by a 2-digit number (5) • Dividing numbers up to 4 digits by a 2-digit number (6) 	Autumn	Number: Four Operations	<ul style="list-style-type: none"> • Add and subtract integers • Multiply up to a 4-digit number by a 2-digit number • Short division • Division using factors • Long division (1) • Long division (2) • Long division (3) • Long division (4)



Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6A	Unit 3, Four operations (2)	<ul style="list-style-type: none"> • Common factors • Common multiples • Recognising prime numbers up to 100 • Squares and cubes • Order of operations • Brackets • Mental calculations (1) • Mental calculations (2) • Reasoning from known facts 	Autumn	Number: Four Operations	<ul style="list-style-type: none"> • Common factors • Common multiples • Primes to 100 • Squares and cubes • Order of operations • Mental calculations and estimation • Reason from known facts
Textbook 6A	Unit 4, Fractions (1)	<ul style="list-style-type: none"> • Simplifying fractions (1) • Simplifying fractions (2) • Fractions on a number line • Comparing and ordering fractions (1) • Comparing and ordering fractions (2) • Adding and subtracting fractions (1) • Adding and subtracting fractions (2) • Adding fractions • Subtracting fractions • Problem Solving – adding and subtracting fractions (1) • Problem Solving – adding and subtracting fractions (2) 	Autumn	Number: Fractions	<ul style="list-style-type: none"> • Simplify fractions • Fractions on a number line • Compare and order (denominator) • Compare and order (numerator) • Add and subtract fractions (1) • Add and subtract fractions (2) • Add fractions • Subtract fractions • Mixed addition and subtraction

Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6A	Unit 5, Fractions (2)	<ul style="list-style-type: none"> • Multiplying a fraction by a whole number • Multiplying a fraction by a fraction (1) • Multiplying a fraction by a fraction (2) • Dividing a fraction by a whole number (1) • Dividing a fraction by a whole number (2) • Dividing a fraction by a whole number (3) • Four rules with fractions • Calculating fractions of amounts • Problem solving – fractions of amounts 	Autumn	Number: Fractions	<ul style="list-style-type: none"> • Multiply fractions by integers • Multiply fractions by fractions • Divide fractions by integers (1) • Divide fractions by integers (2) • Four rules with fractions • Fraction of an amount • Fraction of an amount – find the whole
Textbook 6A	Unit 6, Geometry – position and direction	<ul style="list-style-type: none"> • Plotting coordinates in the first quadrant • Plotting coordinates • Plotting translations and reflections • Reasoning about shapes with coordinates 	Autumn	Geometry: Position and Direction	<ul style="list-style-type: none"> • The first quadrant • Four quadrants • Translations • Reflections



Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6B	Unit 7, Decimals	<ul style="list-style-type: none"> • Multiplying by 10, 100 and 1,000 • Dividing by multiples of 10, 100 and 1,000 • Decimals as fractions • Fractions as decimals (1) • Fractions as decimals (2) • Multiplying decimals (1) • Multiplying decimals (2) • Dividing decimals (1) • Dividing decimals (2) 	Spring	Number: Decimals	<ul style="list-style-type: none"> • Three decimal places • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000 • Decimals as fractions • Fractions to decimals (1) • Fractions to decimals (2) • Multiply decimals by integers • Divide decimals by integers • Division to solve problems
Textbook 6B	Unit 8, Percentages	<ul style="list-style-type: none"> • Percentage of (1) • Percentage of (2) • Percentage of (3) • Percentage of (4) • Finding missing values • Converting fractions to percentages • Equivalent fractions, decimals and percentages (1) • Equivalent fractions, decimals and percentages (2) • Mixed problem solving 	Spring	Number: Percentages	<ul style="list-style-type: none"> • Percentage of an amount (1) • Percentage of an amount (2) • Percentages – missing values • Fractions to percentages • Equivalent FDP • Order FDP

Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6B	Unit 9, Algebra	<ul style="list-style-type: none"> ● Finding a rule (1) ● Finding a rule (2) ● Using a rule (1) ● Using a rule (2) ● Using a rule (3) ● Formulae ● Solving equations (1) ● Solving equations (2) ● Solving equations (3) ● Solving equations (4) ● Solving equations (5) 	Spring	Number: Algebra	<ul style="list-style-type: none"> ● Find a rule – one step ● Find a rule – two step ● Forming expressions ● Substitution ● Formulae ● Forming equations ● Solve simple one-step equations ● Solve two-step equations ● Find pairs of values ● Enumerate possibilities
Textbook 6B	Unit 10, Measure – imperial and metric measures	<ul style="list-style-type: none"> ● Metric measures ● Converting metric measures ● Problem solving – metric measures ● Miles and km ● Imperial measures 	Spring	Measurement: Converting Units	<ul style="list-style-type: none"> ● Metric measures ● Convert metric measures ● Calculate with metric measures ● Miles and kilometres ● Imperial measures
Textbook 6B	Unit 11, Measure – perimeter, area and volume	<ul style="list-style-type: none"> ● Shapes with the same area ● Area and perimeter (1) ● Area and perimeter (2) ● Area of a parallelogram ● Area of a triangle (1) ● Area of a triangle (2) ● Area of a triangle (3) ● Problem solving – area ● Problem solving – perimeter ● Volume of a cuboid (1) ● Volume of a cuboid (2) 	Spring	Measurement: Perimeter, Area & Volume	<ul style="list-style-type: none"> ● Shapes – same area ● Area and perimeter ● Area of a parallelogram ● Area of a triangle (1) ● Area of a triangle (2) ● Area of a triangle (3) ● Volume – counting cubes ● Volume of a cuboid

Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6B	Unit 12, Ratio and proportion	<ul style="list-style-type: none"> • Ratio (1) • Ratio (2) • Ratio (3) • Ratio (4) • Scale drawings • Scale factors • Similar shapes • Problem solving – ratio and proportion (1) • Problem solving – ratio and proportion (2) 	Spring	Number: Ratio	<ul style="list-style-type: none"> • Using ratio language • Ratio and fractions • Introducing the ratio symbol • Calculating ratio • Using scale factors • Calculating scale factors • Ratio and proportion problems
Textbook 6C	Unit 13, Geometry – properties of shapes	<ul style="list-style-type: none"> • Measuring with a protractor • Drawing shapes accurately • Angles in triangles (1) • Angles in triangles (2) • Angles in triangles (3) • Angles in polygons (1) • Angles in polygons (2) • Vertically opposite angles • Equal distance • Parts of a circle • Nets (1) • Nets (2) 	Summer	Geometry: Properties of Shapes	<ul style="list-style-type: none"> • Measure with a protractor • Draw shapes accurately • Introduce angles • Calculate angles • Angles in a triangle • Angles in a triangle – special cases • Angles in a triangle – missing angles • Angles in regular polygons • Vertically opposite angles • Angles in special quadrilaterals • Draw nets of 3D shapes



Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6C	Unit 14, Problem solving	<ul style="list-style-type: none"> ● Problem solving – place value ● Problem solving – negative numbers ● Problem solving – addition and subtraction ● Problem solving – four operations (1) ● Problem solving – four operations (2) ● Problem solving – fractions ● Problem solving – decimals ● Problem solving – percentages ● Problem solving – ratio and proportion ● Problem solving – time (1) ● Problem solving – time (2) ● Problem solving – position and direction ● Problem solving – properties of shapes (1) ● Problem solving – properties of shapes (2) 	Summer	Problem Solving	See <i>White Rose Problems of the Day</i> – KS2



Power Maths Year 6			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 6C	Unit 15, Statistics	<ul style="list-style-type: none"> ● The mean (1) ● The mean (2) ● The mean (3) ● Introducing pie charts ● Reading and interpreting pie charts ● Fractions and pie charts (1) ● Fractions and pie charts (2) ● Percentages and pie charts ● Interpreting line graphs ● Constructing line graphs 	Summer	Statistics	<ul style="list-style-type: none"> ● The mean ● Read and interpret pie charts ● Pie charts with percentages ● Draw pie charts ● Read and interpret line graphs ● Draw line graphs ● Use line graphs to solve problems