

Power Maths to White Rose SOL matching chart KS1

Year 1

Power Maths Year 1			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 1A	Unit 1, Numbers to 10	<ul style="list-style-type: none"> • Sorting objects • Counting objects to 10 • Counting and writing numbers to 10 • Counting backwards from 10 to 0 • Counting one more • Counting one less • Comparing groups • Comparing numbers of objects • Comparing numbers • Ordering objects and numbers • First, second, third... • The number line 	Autumn	Number: Place Value	<ul style="list-style-type: none"> • Sort objects • Count objects • Represent objects • Count, read and write forwards from any number 0 to 10 • Count, read and write backwards from any number 0 to 10 • Count one more • Count one less • One-to-one correspondence to start to compare groups • Compare groups using language such as equal, more/greater, less/fewer • Introduce <, > and = symbols • Compare numbers • Order groups of objects • Order numbers • Ordinal numbers (1st, 2nd, 3rd ...) • The number line
Textbook 1A	Unit 2, Part-whole within 10	<ul style="list-style-type: none"> • The part-whole model (1) • The part-whole model (2) • Related facts – number bonds • Finding number bonds • Comparing number bonds 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Part-whole model • Addition symbol • Fact families – addition facts • Find number bonds for numbers within 10 • Systematic methods for number bonds within 10 • Number bonds to 10



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Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 1A	Unit 3, Addition and subtraction within 10 (1)	<ul style="list-style-type: none"> • Finding the whole – adding together • Finding the whole – adding more • Finding a part • Finding and making number bonds • Finding addition facts • Solving word problems – addition 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Addition – adding together • Addition – adding more • Finding a part • Fact families – addition facts • Find number bonds for numbers within 10 • Systematic methods for number bonds within 10 • Number bonds to 10
Textbook 1A	Unit 4, Addition and subtraction within 10 (2)	<ul style="list-style-type: none"> • Subtraction – how many are left? (1) • Subtraction – how many are left? (2) • Subtraction – breaking apart (1) • Subtraction – breaking apart (2) • Related facts – addition and subtraction (1) • Related facts – addition and subtraction (2) • Subtraction – counting back • Subtraction – finding the difference • Solving word problems – subtraction • Comparing additions and subtractions (1) • Comparing additions and subtractions (2) • Solving word problems – addition and subtraction 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Subtraction – taking away, how many left? Crossing out • Subtraction – taking away, how many left? Introducing the subtraction symbol • Subtraction – finding a part, breaking apart • Fact families – the 8 facts • Subtraction – counting back • Subtraction – finding the difference • Comparing addition and subtraction statements $a + b > c$ • Comparing addition and subtraction statements $a + b > c + d$



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Textbook 1A	Unit 5, 2D and 3D shapes	<ul style="list-style-type: none"> • Naming 3D shapes (1) • Naming 3D shapes (2) • Naming 2D shapes (1) • Naming 2D shapes (2) • Making patterns with shapes 	Autumn	Geometry: Shape	<ul style="list-style-type: none"> • Recognise and name 3D shapes • Sort 3D shapes • Recognise and name 2D shapes • Sort 2D shapes • Patterns with 3D and 2D shapes
Textbook 1A	Unit 6, Numbers to 20	<ul style="list-style-type: none"> • Counting and writing numbers to 20 • Tens and ones (1) • Tens and ones (2) • Counting one more, one less • Comparing numbers of objects • Comparing numbers • Ordering objects and numbers 	Autumn	Number: Place Value (within 20)	<ul style="list-style-type: none"> • Count forwards and backwards and write numbers to 20 in numerals and words • Numbers from 11 to 20 • Tens and ones • Count one more and one less • Compare groups of objects • Compare numbers • Order groups of objects • Order numbers
Textbook 1B	Unit 7, Addition within 20	<ul style="list-style-type: none"> • Add by counting on • Adding ones • Finding number bonds • Add by making 10 (1) • Add by making 10 (2) • Solving word problems – addition 	Spring	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Add by counting on • Find & make number bonds • Add by making 10



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Textbook 1B	Unit 8, Subtraction within 20	<ul style="list-style-type: none"> • Subtracting ones • Subtracting tens and ones • Subtraction – crossing the 10 (1) • Subtraction – crossing the 10 (2) • Solving word and picture problems – subtraction • Addition and subtraction facts to 20 • Comparing additions and subtractions • Solving word and picture problems – addition and subtraction 	Spring	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Subtraction – Not crossing 10 • Subtraction – Crossing 10 (1) • Subtraction – Crossing 10 (2) • Related facts • Compare number sentences
Textbook 1B	Unit 9, Numbers to 50	<ul style="list-style-type: none"> • Counting to 50 (1) • Counting to 50 (2) • Tens and ones • Representing numbers to 50 • Comparing numbers of objects • Comparing numbers • Ordering objects and numbers • Counting in 2s • Counting in 5s • Solving word problems – addition and subtraction (1) • Solving word problems – addition and subtraction (2) 	Spring	Number: Place Value (within 50)	<ul style="list-style-type: none"> • Numbers to 50 • Tens and ones • Represent numbers to 50 • One more one less • Compare objects within 50 • Compare numbers within 50 • Order numbers within 50 • Count in 2s • Count in 5s

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Textbook 1B	Unit 10, Introducing length and height	<ul style="list-style-type: none"> • Comparing lengths and heights • Non-standard units of measure (1) • Non-standard units of measure (2) • Measuring length using a ruler • Solving word problems – length 	Spring	Measurement: Length & Height	<ul style="list-style-type: none"> • Compare lengths and heights • Measure length (1) • Measure length (2)
Textbook 1B	Unit 11, Introducing weight and volume	<ul style="list-style-type: none"> • Comparing weight • Measuring weight • Comparing weight using measuring • Comparing capacity • Measuring capacity • Comparing capacity using measuring • Solving word problems – weight and capacity 	Spring	Measurement: Weight & Volume	<ul style="list-style-type: none"> • Introduce weight and mass • Compare mass • Measure mass • Introduce capacity and volume • Compare capacity • Measure capacity
Textbook 1C	Unit 12, Multiplication	<ul style="list-style-type: none"> • Counting in 10s, 5s and 2s • Making equal groups • Adding equal groups • Making simple arrays • Making doubles • Solving word problems – multiplication 	Summer	Number: Multiplication & Division	<ul style="list-style-type: none"> • Count in 10s • Make equal groups • Add equal groups • Make arrays • Make doubles

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Textbook 1C	Unit 13, Division	<ul style="list-style-type: none"> • Making equal groups (1) • Making equal groups (2) • Sharing equally (1) • Sharing equally (2) • Solving word problems – division 	Summer	Number: Multiplication & Division	<ul style="list-style-type: none"> • Make equal groups – grouping • Make equal groups – sharing
Textbook 1C	Unit 14, Halves and quarters	<ul style="list-style-type: none"> • Finding halves (1) • Finding halves (2) • Finding quarters (1) • Finding quarters (2) • Solving word problems – halves and quarters 	Summer	Number: Fractions	<ul style="list-style-type: none"> • Find a half (1) • Find a half (2) • Find a quarter (1) • Find a quarter (2)
Textbook 1C	Unit 15, Position and direction	<ul style="list-style-type: none"> • Describing turns • Describing positions (1) • Describing positions (2) 	Summer	Geometry: Position & Direction	<ul style="list-style-type: none"> • Describe turns • Describe position (1) • Describe position (2)
Textbook 1C	Unit 16, Numbers to 100	<ul style="list-style-type: none"> • Counting to 100 • Exploring number patterns • Partitioning numbers (1) • Partitioning numbers (2) • Comparing numbers (1) • Comparing numbers (2) • Ordering numbers • Bonds to 100 (1) • Bonds to 100 (2) 	Summer	Number: Place Value (to 100)	<ul style="list-style-type: none"> • Counting to 100 • Partitioning numbers • Comparing numbers (1) • Comparing numbers (2) • Ordering numbers • One more, one less



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Textbook 1C	Unit 17, Time	<ul style="list-style-type: none"> • Using before and after • Using a calendar • Telling time to the hour • Telling time to the half hour • Writing time • Comparing time • Solving word problems – time 	Summer	Measurement: Time	<ul style="list-style-type: none"> • Before and after • Dates • Time to the hour • Time to the half hour • Writing time • Comparing time
Textbook 1C	Unit 18, Money	<ul style="list-style-type: none"> • Recognising coins • Recognising notes • Counting with coins 	Summer	Measurement: Money	<ul style="list-style-type: none"> • Recognising coins • Recognising notes • Counting in coins



Year 2

Power Maths Year 2			White Rose Schemes of Learning		
Term	Unit	Lesson titles	Term	Maths Strand	Small Steps
Textbook 2A	Unit 1, Numbers to 100	<ul style="list-style-type: none"> Counting objects to 100 Representing numbers to 100 Tens and ones (1) Tens and ones (2) Representing numbers on a place value grid Comparing numbers (1) Comparing numbers (2) Ordering numbers Counting in 2s, 5s and 10s Counting in 3s 	Autumn	Number: Place Value	<ul style="list-style-type: none"> Count objects to 100 and read and write numbers in numerals and words Represent numbers to 100 Tens and ones with a part-whole model Tens and ones using addition Use a place value chart Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s
Textbook 2A	Unit 2, Addition and subtraction (1)	<ul style="list-style-type: none"> Related facts – addition and subtraction Using number facts to check calculations Comparing number sentences Finding related facts Making number bonds to 100 Adding and subtracting 1s Finding 10 more and 10 less Adding and subtracting 10s Adding a 2-digit and 1-digit number (1) Adding a 2-digit and 1-digit number (2) Subtracting a 1-digit number from a 2-digit number (1) Subtracting a 1-digit number from a 2-digit number (2) 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> Fact families – addition and subtraction bonds to 20 Check calculations Compare number sentences Related facts Bonds to 100 (tens) Add and subtract 1s 10 more and 10 less Add and subtract 10s Add a 2-digit and 1-digit number – crossing ten Subtract a 1-digit number from a 2-digit number – crossing ten

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Textbook 2A	Unit 3, Addition and subtraction (2)	<ul style="list-style-type: none"> • Adding two 2-digit numbers (1) • Adding two 2-digit numbers (2) • Subtracting a 2-digit number from another 2-digit number (1) • Subtracting a 2-digit number from another 2-digit number (2) • Subtracting a 2-digit number from another 2-digit number (3) • Subtracting a 2-digit number from another 2-digit number (4) • Adding three 1-digit numbers • Solving word problems – the bar model (1) • Solving word problems – the bar model (2) 	Autumn	Number: Addition & Subtraction	<ul style="list-style-type: none"> • Add two 2-digit numbers – not crossing ten – add ones and add tens • Add two 2-digit numbers – crossing ten – add ones and add tens • Subtract a 2-digit number from a 2-digit number – not crossing ten • Subtract a 2-digit number from a 2-digit number – crossing ten – subtract ones and tens • Bonds to 100 (tens and ones) • Add three 1-digit numbers



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Textbook 2A	Unit 4, Money	<ul style="list-style-type: none"> Counting money – coins Counting money – notes Counting money – coins and notes Showing equal amounts of money (1) Showing equal amounts of money (2) Comparing amounts of money Calculating the total amount Finding change Solving two-step word problems 	Autumn	Measurement: Money	<ul style="list-style-type: none"> Count money – pence Count money – pounds (notes and coins) Count money – notes and coins Select money Make the same amount Compare money Find the total Find change Find the difference Two-step problems
Textbook 2A	Unit 5, Multiplication and division (1)	<ul style="list-style-type: none"> Making equal groups Multiplication as equal groups Adding equal groups Multiplication sentences Using arrays 2 times-table 5 times-table 10 times-table Solving word problems – multiplication 	Autumn	Number: Multiplication & Division	<ul style="list-style-type: none"> Recognise equal groups Make equal groups Add equal groups Multiplication sentences using the \times symbol Multiplication sentences from pictures Use arrays 2 times-table 5 times-table 10 times-table



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Textbook 2B	Unit 6, Multiplication and division (2)	<ul style="list-style-type: none"> • Making equal groups • Sharing and grouping • Dividing by 2 • Odd and even numbers • Dividing by 5 • Dividing by 10 • Bar modelling – grouping • Bar modelling – sharing • Solving word problems – division 	Spring	Number: Multiplication & Division	<ul style="list-style-type: none"> • Make equal groups – sharing • Make equal groups – grouping • Divide by 2 • Odd & even numbers • Divide by 5 • Divide by 10
Textbook 2B	Unit 7, Statistics	<ul style="list-style-type: none"> • Making tally charts • Creating pictograms (1) • Creating pictograms (2) • Interpreting pictograms (1) • Interpreting pictograms (2) • Block diagrams • Solving word problems 	Spring	Statistics	<ul style="list-style-type: none"> • Make tally charts • Draw pictograms (1-1) • Draw pictograms (2, 5 and 10) • Interpret pictograms (1-1) • Interpret pictograms (2, 5 and 10) • Block diagrams
Textbook 2B	Unit 8, Length and height	<ul style="list-style-type: none"> • Measuring in centimetres • Measuring in metres • Comparing lengths • Ordering lengths • Solving word problems – length 	Spring	Measurement: Length & Height	<ul style="list-style-type: none"> • Measure length (cm) • Measure length (m) • Compare lengths • Order lengths



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Textbook 2B	Unit 9, Properties of shapes	<ul style="list-style-type: none"> ● Recognising 2D and 3D shapes ● Drawing 2D shapes ● Counting sides on 2D shapes ● Counting vertices on 2D shapes ● Finding lines of symmetry ● Sorting 2D shapes ● Making patterns with 2D shapes ● Counting faces on 3D shapes ● Counting edges on 3D shapes ● Counting vertices on 3D shapes ● Sorting 3D shapes ● Making patterns with 3D shapes 	Spring	Geometry: Properties of Shape	<ul style="list-style-type: none"> ● Recognise 2D and 3D shapes ● Draw 2D shapes ● Count sides on 2D shapes ● Count vertices on 2D shapes ● Lines of symmetry ● Sort 2D shapes ● Make patterns with 2D shapes ● Count faces on 3D shapes ● Count edges on 3D shapes ● Count vertices on 3D shapes ● Sort 3D shapes ● Make patterns with 3D shapes



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Textbook 2B	Unit 10, Fractions	<ul style="list-style-type: none"> • Introducing whole and parts • Making equal parts • Recognising a half ($\frac{1}{2}$) • Finding a half • Recognising a quarter ($\frac{1}{4}$) • Finding a quarter • Unit fractions • Understanding other fractions • $\frac{1}{2}$ and $\frac{2}{4}$ • Finding $\frac{3}{4}$ • Understanding a whole • Understanding whole and parts • Counting in halves • Counting in quarters 	Spring	Number: Fractions	<ul style="list-style-type: none"> • Make equal parts • Recognise a half • Find a half • Recognise a quarter • Find a quarter • Unit fractions • Recognise a third • Find a third • Non-unit fractions • Equivalence of $\frac{1}{2}$ and $\frac{2}{4}$ • Find three quarters • Count in fractions
Textbook 2C	Unit 11, Position and direction	<ul style="list-style-type: none"> • Describing movement • Describing turns • Describing movement and turns • Making patterns with shapes 	Summer	Geometry: Position & Direction	<ul style="list-style-type: none"> • Describing movement • Describing turns • Describing movement and turns • Making patterns with shapes



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Textbook 2C	Unit 12, Problem solving and efficient methods	<ul style="list-style-type: none"> ● My way, your way! ● Using number facts ● Using number facts and equivalence ● Using a 100 square ● Getting started ● Missing numbers ● Mental addition and subtraction (1) ● Mental addition and subtraction (2) ● Efficient subtraction ● Solving problems – addition and subtraction ● Solving problems – multiplication and division ● Solving problems using the four operations 	Summer	Problem Solving & Efficient Methods	See <i>White Rose Problems of the Day – KS1</i>
Textbook 2C	Unit 13, Time	<ul style="list-style-type: none"> ● Telling and writing time to the hour and the half hour ● Telling time to the quarter hour ● Telling time to 5 minutes ● Minutes in an hour ● Finding durations of time ● Comparing durations of time ● Finding the end time ● Finding the start time ● Hours in a day 	Summer	Measurement: Time	<ul style="list-style-type: none"> ● O'clock and half past ● Quarter past and quarter to ● Telling time to 5 minutes ● Find durations of time ● Compare durations of time ● Hours and days



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Textbook 2C	Unit 14, Weight, volume and temperature	<ul style="list-style-type: none"> ● Comparing mass ● Measuring mass in grams (1) ● Measuring mass in grams (2) ● Measuring mass in kilograms ● Comparing volume ● Measuring volume in millilitres (1) ● Measuring volume in millilitres (2) ● Measuring volume in litres ● Measuring temperature using a thermometer ● Reading thermometers 	Summer	Measurement: Mass, Capacity & Temperature	<ul style="list-style-type: none"> ● Compare mass ● Measure mass in grams ● Measure mass in kilograms ● Compare volume ● Millilitres ● Litres ● Temperature