ST PHILOMENA'S PRIMARY SCHOOL
MATHS MEDIUM TERM PLANNING YEAR 2
2026 - 2027

AUTUMN 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 1	Step 1	Numbers to 20	I can read, represent and understand numbers to 20.	Know the mathematical relationship represented in this step.
	Step 2	Count objects to 100 by making 10s	I can count objects to 100 by making groups of 10.	Know the mathematical relationship represented in this step.
	Step 3	Recognise tens and ones	I can identify the tens and ones in a 2-digit number.	Know that the value of a digit depends on its place in a number.
	Step 4	Use a place value chart	I can represent 2-digit numbers on a place value chart.	Know that the value of a digit depends on its place in a number.
	Step 5	Partition numbers to 100	I can partition 2-digit numbers in different ways.	Know that the value of a digit depends on its place in a number.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know and use efficient calculation strategies.
NC LINKS	Read and write numbers to at least 100; recognise place value in 2-digit numbers; compare and order numbers; count in steps of 2, 3, 5 and 10.			

AUTUMN 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 2	Step 6	Write numbers to 100 in words	I can write numbers to 100 in words.	Know the mathematical relationship represented in this step.
	Step 7	Flexibly partition numbers to 100	I can partition 2-digit numbers in different ways.	Know that the value of a digit depends on its place in a number.
	Step 8	Write numbers to 100 in expanded form	I can write 2-digit numbers in expanded form.	Know that the value of a digit depends on its place in a number.
	Step 9	10s on the number line to 100	I can place and estimate numbers on a number line.	Know that numbers are positioned in order and intervals are equal.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Read and write numbers to at least 100; recognise place value in 2-digit numbers; compare and order numbers; count in steps of 2, 3, 5 and 10. Number and calculation fluency across the Year 2 programme of study.			

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AUTUMN 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 3	Step 10	10s and 1s on the number line to 100	I can place and estimate numbers on a number line.	Know that numbers are positioned in order and intervals are equal.
	Step 11	Estimate numbers on a number line	I can place and estimate numbers on a number line.	Know that numbers are positioned in order and intervals are equal.
	Step 12	Compare objects	I can compare groups of objects using greater than and less than.	Know the mathematical relationship represented in this step.
	Step 13	Compare numbers	I can compare two-digit numbers using <, > and =.	Know the mathematical relationship represented in this step.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Read and write numbers to at least 100; recognise place value in 2-digit numbers; compare and order numbers; count in steps of 2, 3, 5 and 10. Number and calculation fluency across the Year 2 programme of study.			

AUTUMN 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 4	Step 14	Order objects and numbers	I can order numbers and measures accurately.	Know the mathematical relationship represented in this step.
	Step 15	Count in 2s, 5s and 10s	I can count in the given intervals.	Know the number pattern created when counting in equal steps.
	Step 16	Count in 3s	I can count in the given intervals.	Know the number pattern created when counting in equal steps.
	Step 1	Bonds to 10	I can recall and use number bonds.	Know that addition and subtraction facts are related and can be used efficiently.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Read and write numbers to at least 100; recognise place value in 2-digit numbers; compare and order numbers; count in steps of 2, 3, 5 and 10. Recall and use addition and subtraction facts to 20; derive related facts to 100; add and subtract using concrete objects, pictorial representations and mental methods; solve problems. Number and calculation fluency across the Year 2 programme of study.			

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AUTUMN 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 5	Step 2	Fact families - addition and subtraction bonds within 20	I can recall and use number bonds.	Know that addition and subtraction facts are related and can be used efficiently.
	Step 3	Related facts	I can use known facts to derive related facts.	Know that addition and subtraction facts are related and can be used efficiently.
	Step 4	Bonds to 100 (tens)	I can recall and use number bonds.	Know that addition and subtraction facts are related and can be used efficiently.
	Step 5	Add and subtract 1s	I can apply this mathematical skill accurately.	Know how place value and known facts support efficient calculation.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use addition and subtraction facts to 20; derive related facts to 100; add and subtract using concrete objects, pictorial representations and mental methods; solve problems. Number and calculation fluency across the Year 2 programme of study.			

AUTUMN 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 6	Step 6	Add by making 10	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 7	Add three 1-digit numbers	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 8	Add to the next 10	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 9	Add across a 10	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use addition and subtraction facts to 20; derive related facts to 100; add and subtract using concrete objects, pictorial representations and mental methods; solve problems. Number and calculation fluency across the Year 2 programme of study.			

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AUTUMN 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 7	Step 10	Subtract across 10	I can subtract accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 11	Subtract from a 10	I can subtract accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 12	Subtract a 1-digit number from a 2-digit number (across a 10)	I can subtract accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 13	10 more, 10 less	I can find 10 more and 10 less than a two-digit number.	Know the mathematical relationship represented in this step.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use addition and subtraction facts to 20; derive related facts to 100; add and subtract using concrete objects, pictorial representations and mental methods; solve problems. Number and calculation fluency across the Year 2 programme of study.			

AUTUMN 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 8	Step 14	Add and subtract 10s	I can add and subtract multiples of 10.	Know how place value and known facts support efficient calculation.
	Step 15	Add two 2-digit numbers (not across a 10)	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 16	Add two 2-digit numbers (across a 10)	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 17	Subtract two 2-digit numbers (not across a 10)	I can subtract accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use addition and subtraction facts to 20; derive related facts to 100; add and subtract using concrete objects, pictorial representations and mental methods; solve problems. Number and calculation fluency across the Year 2 programme of study.			

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AUTUMN 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 9	Step 18	Subtract two 2-digit numbers (across a 10)	I can subtract accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 19	Mixed addition and subtraction	I can choose whether to add or subtract.	Know how place value and known facts support efficient calculation.
	Step 20	Compare number sentences	I can compare quantities and numbers accurately.	Know the mathematical relationship represented in this step.
	Step 21	Missing number problems	I can solve missing-number problems.	Know how place value and known facts support efficient calculation.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use addition and subtraction facts to 20; derive related facts to 100; add and subtract using concrete objects, pictorial representations and mental methods; solve problems. Number and calculation fluency across the Year 2 programme of study.			

AUTUMN 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 10	Step 1	Recognise 2-D and 3-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 2	Count sides on 2-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 3	Count vertices on 2-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 4	Draw 2-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Identify and describe properties of 2-D and 3-D shapes; identify vertical lines of symmetry; compare and sort common shapes and everyday objects. Number and calculation fluency across the Year 2 programme of study.			

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AUTUMN 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 11	Step 5	Lines of symmetry on shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 6	Use lines of symmetry to complete shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 7	Sort 2-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 8	Count faces on 3-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Identify and describe properties of 2-D and 3-D shapes; identify vertical lines of symmetry; compare and sort common shapes and everyday objects. Number and calculation fluency across the Year 2 programme of study.			

AUTUMN 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 12	Step 9	Count edges on 3-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 10	Count vertices on 3-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 11	Sort 3-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Step 12	Make patterns with 2-D and 3-D shapes	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Identify and describe properties of 2-D and 3-D shapes; identify vertical lines of symmetry; compare and sort common shapes and everyday objects. Number and calculation fluency across the Year 2 programme of study.			

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SPRING 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 1	Step 1	Count money – pence	I can count the value of coins in pence.	Know the value of coins and notes and how amounts can be combined and compared.
	Step 2	Count money – pounds (notes and coins)	I can count pounds using notes and coins.	Know the value of coins and notes and how amounts can be combined and compared.
	Step 3	Count money – pounds and pence	I can count mixed pounds and pence.	Know the value of coins and notes and how amounts can be combined and compared.
	Step 4	Choose notes and coins	I can choose coins and notes to make an amount.	Know the value of coins and notes and how amounts can be combined and compared.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a value; find combinations of coins; solve simple problems involving addition and subtraction of money. Number and calculation fluency across the Year 2 programme of study.			

SPRING 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 2	Step 5	Make the same amount	I can make the same money amount using different coins.	Know the mathematical relationship represented in this step.
	Step 6	Compare amounts of money	I can compare amounts of money in pounds and pence.	Know the value of coins and notes and how amounts can be combined and compared.
	Step 7	Calculate with money	I can add and subtract amounts of money.	Know the value of coins and notes and how amounts can be combined and compared.
	Step 8	Make a pound	I can make £1 in different ways.	Know the value of coins and notes and how amounts can be combined and compared.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a value; find combinations of coins; solve simple problems involving addition and subtraction of money. Number and calculation fluency across the Year 2 programme of study.			

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SPRING 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 3	Financial Education 1	Money	I can talk about where money comes from and the ways people use it.	Know that money can come from different sources and can be used in different ways.
	Financial Education 2	Look After It!	I can explain how to keep money safe and why this is important.	Know ways to keep money safe and why this matters.
	Financial Education 3	Personal Information	I can explain what personal information means and ways we can keep this private.	Know that personal information should be kept private and shared only with trusted people when appropriate.
	Financial Education 4	Keeping Track	I can explain choices people have about spending money and why it is important to keep track of what is spent.	Know that keeping track of spending helps people manage their money.
	Financial Education 5	Want or Need?	I can explain differences between wants and needs and discuss how this can affect people's spending decisions.	Know the difference between something we need and something we want.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know and use efficient calculation strategies.
NC LINKS	Financial Education enrichment			

SPRING 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 4	Step 9	Find change	I can calculate change from an amount of money.	Know the value of coins and notes and how amounts can be combined and compared.
	Step 10	Two-step problems	I can solve two-step money problems.	Know the mathematical relationship represented in this step.
	Step 1	Recognise equal groups	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Step 2	Make equal groups	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a value; find combinations of coins; solve simple problems involving addition and subtraction of money. Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables; calculate mathematical statements and solve problems involving multiplication and division. Number and calculation fluency across the Year 2 programme of study.			

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SPRING 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 5	Step 3	Add equal groups	I can add accurately using an efficient strategy.	Know how place value and known facts support efficient calculation.
	Step 4	Introduce the multiplication symbol	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Step 5	Multiplication sentences	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Step 6	Use arrays	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables; calculate mathematical statements and solve problems involving multiplication and division. Number and calculation fluency across the Year 2 programme of study.			

SPRING 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 6	Step 7	Make equal groups – grouping	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Step 8	Make equal groups – sharing	I can represent multiplication using equal groups.	Know that multiplication and division describe equal groups and are related.
	Step 9	The 2 times-table	I can recall and use multiplication facts.	Know that multiplication and division describe equal groups and are related.
	Step 10	Divide by 2	I can solve division by grouping or sharing.	Know that multiplication and division describe equal groups and are related.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables; calculate mathematical statements and solve problems involving multiplication and division. Number and calculation fluency across the Year 2 programme of study.			

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SPRING 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 7	Step 11	Doubling and halving	I can use doubling and halving.	Know that multiplication and division describe equal groups and are related.
	Step 12	Odd and even numbers	I can identify odd and even numbers.	Know that multiplication and division describe equal groups and are related.
	Step 13	The 10 times-table	I can recall and use multiplication facts.	Know that multiplication and division describe equal groups and are related.
	Step 14	Divide by 10	I can solve division by grouping or sharing.	Know that multiplication and division describe equal groups and are related.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables; calculate mathematical statements and solve problems involving multiplication and division. Number and calculation fluency across the Year 2 programme of study.			

SPRING 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 8	Step 15	The 5 times-table	I can recall and use multiplication facts.	Know that multiplication and division describe equal groups and are related.
	Step 16	Divide by 5	I can solve division by grouping or sharing.	Know that multiplication and division describe equal groups and are related.
	Step 17	The 5 and 10 times-tables	I can recall and use multiplication facts.	Know that multiplication and division describe equal groups and are related.
	Step 1	Measure in centimetres	I can measure length accurately.	Know appropriate standard units and how to measure from zero accurately.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables; calculate mathematical statements and solve problems involving multiplication and division. Choose and use appropriate standard units to estimate and measure length/height; compare and order lengths and record results using >, < and =. Number and calculation fluency across the Year 2 programme of study.			

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SPRING 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 9	Step 2	Measure in metres	I can measure length accurately.	Know appropriate standard units and how to measure from zero accurately.
	Step 3	Compare lengths and heights	I can compare quantities and numbers accurately.	Know appropriate standard units and how to measure from zero accurately.
	Step 4	Order lengths and heights	I can order numbers and measures accurately.	Know appropriate standard units and how to measure from zero accurately.
	Step 5	Four operations with lengths and heights	I can apply this mathematical skill accurately.	Know appropriate standard units and how to measure from zero accurately.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Choose and use appropriate standard units to estimate and measure length/height; compare and order lengths and record results using >, < and =. Number and calculation fluency across the Year 2 programme of study.			

SPRING 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 10	Step 1	Compare mass	I can compare quantities and numbers accurately.	Know that mass is measured using standard units such as grams and kilograms.
	Step 2	Measure in grams	I can measure and compare mass.	Know that mass is measured using standard units such as grams and kilograms.
	Step 3	Measure in kilograms	I can measure and compare mass.	Know that mass is measured using standard units such as grams and kilograms.
	Step 4	Four operations with mass	I can measure and compare mass.	Know that mass is measured using standard units such as grams and kilograms.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Choose and use appropriate standard units to estimate and measure mass, capacity and temperature; compare and order measurements. Number and calculation fluency across the Year 2 programme of study.			

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SPRING 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 11	Step 5	Compare volume and capacity	I can compare quantities and numbers accurately.	Know that capacity and volume can be measured in litres and millilitres.
	Step 6	Measure in millilitres	I can measure and compare capacity and volume.	Know that capacity and volume can be measured in litres and millilitres.
	Step 7	Measure in litres	I can measure and compare capacity and volume.	Know that capacity and volume can be measured in litres and millilitres.
	Step 8	Four operations with volume and capacity	I can measure and compare capacity and volume.	Know that capacity and volume can be measured in litres and millilitres.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Choose and use appropriate standard units to estimate and measure mass, capacity and temperature; compare and order measurements. Number and calculation fluency across the Year 2 programme of study.			

SPRING 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 12	Step 9	Temperature	I can read temperature on a scale.	Know that temperature is measured in degrees Celsius.
	Consolidation	Temperature: read and compare scales	I can read and compare temperatures in degrees Celsius.	Know that a thermometer scale increases in equal intervals.
	Consolidation	Mass and capacity word problems	I can solve practical problems involving mass and capacity.	Know to choose grams, kilograms, millilitres or litres appropriately.
	Consolidation	Measurement reasoning	I can explain my choice of unit and calculation.	Know how to check whether a measurement answer is reasonable.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Choose and use appropriate standard units to estimate and measure mass, capacity and temperature; compare and order measurements. Number and calculation fluency across the Year 2 programme of study.			

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SUMMER 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 1	Step 1	Introduction to parts and whole	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Step 2	Equal and unequal parts	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Step 3	Recognise a half	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Step 4	Find a half	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4; recognise the equivalence of 2/4 and 1/2. Number and calculation fluency across the Year 2 programme of study.			

SUMMER 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 2	Step 5	Recognise a quarter	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Step 6	Find a quarter	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Step 7	Recognise a third	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Step 8	Find a third	I can recognise and find fractions of shapes and quantities.	Know that fractions describe equal parts of a whole.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4; recognise the equivalence of 2/4 and 1/2. Number and calculation fluency across the Year 2 programme of study.			

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SUMMER 1				
	WHITE ROSE STEPS	**WHITE ROSE CONTENT**	**LEARNING OBJECTIVES**	**KEY KNOWLEDGE**
WEEK 3	**Step 9**	**Find the whole**	**I can recognise and find fractions of shapes and quantities.**	**Know that fractions describe equal parts of a whole.**
	Step 10	**Unit fractions**	**I can recognise and find fractions of shapes and quantities.**	**Know that fractions describe equal parts of a whole.**
	Step 11	**Non-unit fractions**	**I can recognise and find fractions of shapes and quantities.**	**Know that fractions describe equal parts of a whole.**
	Step 12	**Recognise the equivalence of a half and two-quarters**	**I can recognise and find fractions of shapes and quantities.**	**Know that fractions describe equal parts of a whole.**
	Arithmetic	**Fluency and retrieval**	**I can recall and apply key number facts accurately.**	**Know how to use known number facts efficiently to solve calculations.**
NC LINKS	**Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4; recognise the equivalence of 2/4 and 1/2. Number and calculation fluency across the Year 2 programme of study.**			

SUMMER 1				
	WHITE ROSE STEPS	**WHITE ROSE CONTENT**	**LEARNING OBJECTIVES**	**KEY KNOWLEDGE**
WEEK 4	**Step 13**	**Recognise three-quarters**	**I can recognise and find fractions of shapes and quantities.**	**Know that fractions describe equal parts of a whole.**
	Step 14	**Find three-quarters**	**I can recognise and find fractions of shapes and quantities.**	**Know that fractions describe equal parts of a whole.**
	Step 15	**Count in fractions up to a whole**	**I can count in the given intervals.**	**Know the number pattern created when counting in equal steps.**
	Step 1	**O'clock and half past**	**I can read o'clock and half-past times.**	**Know key time intervals and how they are represented on an analogue clock.**
	Arithmetic	**Fluency and retrieval**	**I can recall and apply key number facts accurately.**	**Know how to use known number facts efficiently to solve calculations.**
NC LINKS	**Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4; recognise the equivalence of 2/4 and 1/2. Tell and write the time to five minutes, including quarter past/to; know the number of minutes in an hour and hours in a day. Number and calculation fluency across the Year 2 programme of study.**			

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SUMMER 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 5	Step 2	Quarter past and quarter to	I can read quarter-past and quarter-to times.	Know key time intervals and how they are represented on an analogue clock.
	Step 3	Tell the time past the hour	I can tell the time in minutes past the hour.	Know key time intervals and how they are represented on an analogue clock.
	Step 4	Tell the time to the hour	I can tell the time in minutes to the hour.	Know key time intervals and how they are represented on an analogue clock.
	Step 5	Tell the time to 5 minutes	I can read an analogue clock to five minutes.	Know key time intervals and how they are represented on an analogue clock.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Tell and write the time to five minutes, including quarter past/to; know the number of minutes in an hour and hours in a day. Number and calculation fluency across the Year 2 programme of study.			

SUMMER 1				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 6	Step 6	Minutes in an hour	I know there are 60 minutes in an hour.	Know key time intervals and how they are represented on an analogue clock.
	Step 7	Hours in a day	I know there are 24 hours in a day.	Know key time intervals and how they are represented on an analogue clock.
	Step 1	Make tally charts	I can record information using tally marks.	Know that data can be organised and represented in different ways.
	Step 2	Tables	I can organise and read information in tables.	Know that data can be organised and represented in different ways.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Tell and write the time to five minutes, including quarter past/to; know the number of minutes in an hour and hours in a day. Interpret and construct simple pictograms, tally charts, block diagrams and simple tables; ask and answer questions about data. Number and calculation fluency across the Year 2 programme of study.			

ST PHILOMENA'S PRIMARY SCHOOL
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SUMMER 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 7	Step 3	Block diagrams	I can draw and interpret block diagrams.	Know that data can be organised and represented in different ways.
	Step 4	Draw pictograms (1–1)	I can draw a pictogram where one symbol means one.	Know that data can be organised and represented in different ways.
	Step 5	Interpret pictograms (1–1)	I can interpret a pictogram where one symbol means one.	Know that data can be organised and represented in different ways.
	Step 6	Draw pictograms (2, 5 and 10)	I can draw pictograms using keys of 2, 5 and 10.	Know that data can be organised and represented in different ways.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables; ask and answer questions about data. Number and calculation fluency across the Year 2 programme of study.			

SUMMER 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 8	Step 7	Interpret pictograms (2, 5 and 10)	I can interpret pictograms using keys of 2, 5 and 10.	Know that data can be organised and represented in different ways.
	Step 1	Language of position	I can describe position, movement and turns.	Know positional and directional language, including turns.
	Step 2	Describe movement	I can describe position, movement and turns.	Know positional and directional language, including turns.
	Step 3	Describe turns	I can describe position, movement and turns.	Know positional and directional language, including turns.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables; ask and answer questions about data. Use mathematical vocabulary to describe position, direction and movement, including rotation as turns. Number and calculation fluency across the Year 2 programme of study.			

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SUMMER 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 9	Step 4	Describe movement and turns	I can describe position, movement and turns.	Know positional and directional language, including turns.
	Step 5	Shape patterns with turns	I can identify and describe properties of shapes.	Know key properties used to identify, compare and classify shapes.
	Consolidation	Position and direction: practical routes	I can follow and describe a route using turns.	Know left, right, clockwise, anticlockwise and quarter-turn.
	Consolidation	Position and direction: reasoning	I can explain how a shape changes after a turn.	Know that a full turn returns a shape to its original orientation.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Use mathematical vocabulary to describe position, direction and movement, including rotation as turns. Number and calculation fluency across the Year 2 programme of study.			

SUMMER 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 10	Consolidation	Statistics: collect and record data	I can gather data and record it in a tally chart.	Know that each tally represents one item.
	Consolidation	Statistics: pictograms	I can draw and interpret pictograms using a key.	Know that symbols can represent more than one item.
	Consolidation	Position and direction: instructions	I can write and follow instructions using turns.	Know the difference between a half, quarter and full turn.
	Consolidation	Mixed problem solving	I can choose a strategy to solve a two-step problem.	Know how to select and check a suitable operation.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Number and calculation fluency across the Year 2 programme of study.			

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SUMMER 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 11	Consolidation	Fractions: halves, quarters and thirds	I can identify and find fractions of shapes and amounts.	Know that fractions describe equal parts.
	Consolidation	Fractions: equivalence	I can show that two quarters are equal to one half.	Know that 2/4 and 1/2 represent the same amount.
	Consolidation	Time: five-minute intervals	I can read and write times to five minutes.	Know that there are 60 minutes in one hour.
	Consolidation	Money: problem solving	I can calculate totals and change using pounds and pence.	Know that 100 pence make one pound.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Number and calculation fluency across the Year 2 programme of study.			

SUMMER 2				
	WHITE ROSE STEPS	WHITE ROSE CONTENT	LEARNING OBJECTIVES	KEY KNOWLEDGE
WEEK 12	Consolidation	Place value to 100	I can partition, compare and order two-digit numbers.	Know that a digit's position determines its value.
	Consolidation	Addition and subtraction	I can add and subtract two-digit numbers using place value.	Know how number bonds and partitioning support calculation.
	Consolidation	Multiplication and division	I can solve problems using the 2, 5 and 10 times tables.	Know that multiplication and division are inverse operations.
	Consolidation	Shape and measures	I can explain properties of shapes and choose measurement units.	Know common 2-D and 3-D properties and standard units.
	Arithmetic	Fluency and retrieval	I can recall and apply key number facts accurately.	Know how to use known number facts efficiently to solve calculations.
NC LINKS	Number and calculation fluency across the Year 2 programme of study.			