Garswood Maths Overview EYFS

Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals and Percentages	Phase	Measure, shape and special thinking
NCTEM Prior	number facts	add/ subtract	NCTEM spine link (TP) – Teaching Point		Number of White Rose small steps per block

Term	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞	➞➞➞

Term				
Autumn	**Getting to Know you**	**Just Like me!**	**It's me 1, 2, 3**	**Light and Dark**
	Opportunities for settling in, introducing the areas of provision and getting to know the children.	Match and Sort and compare amounts	Representing 1, 2 & 3 Comparing 1, 2 & 3 Composition of 1, 2 & 3	Representing Numbers to 5. One More and Less.
	Key times of day, class routines. Exploring the continuous provision inside and out. Where do things belong? Positional language	Compare size mass capacity, exploring pattern.	Circle and triangles and positional language	Shapes with 4 sides and time.
Spring	**Alive in 5**	**Growing 6, 7, 8**	**Building 9 and 10**	**Consolidation**
	Introducing zero Comparing numbers to 5 Composition of 4 & 5	6,7 & 8 Combining 2 amounts Making pairs	Counting to 9 & 10 Comparing numbers to 10 Bonds to 10	
	Compare Mass (2) Compare Capacity (2)	Length & Height Time	3d-shapes Spatial Awareness Patterns	
Summer	**To 20 and Beyond**	**First, Then, Now**	**Find my Pattern**	**On the Move**
	Building Numbers Beyond 10 Counting Patterns Beyond 10	Adding More Taking Away	Doubling Sharing & Grouping Even & Odd	Deepening Understanding Patterns and Relationships
	Spatial Reasoning (1) Match, Rotate, Manipulate	Spatial Reasoning (2) Compose and Decompose	Spatial Reasoning (3) Visualise and Build	Spatial Reasoning (4) Mapping

Garswood Maths Overview Year 1

Number/PV		Geometry		Measure	

NCTEM Prior	number facts		add/ subtract	NCTEM spine link (TP) – Teaching Point	Number of White Rose small steps per block

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	**Place Value (within 10)** Small Steps: 15 NCETM Spine: 1.1 (comparison context) 1.3, (numbers 0-5) and 1.4 (numbers 6-10) _Note: part-whole shows up in 1.2 which could be used before 1.3_				**Addition and Subtraction (within 10)** Small Steps: 18 NCETM Spine: 1.2 (part whole model) 1.5, 1.6, 1.7				**Shape** Small Steps: 5 NCETM Spine: N/A	**Place Value (within 20)** Small Steps: 8 NCETM Spine: 1.10 (TP 1 and 2)		Consolidation
NCTEM Prior	**Unit 1** Previous Reception experiences and counting within 100				**Unit 2** Comparisons of quantities and part-whole relationships				**Unit 3** Numbers 0 - 5	**Unit 3** Numbers 0 - 5		**Unit 4**
Spring	**Addition and Subtraction (within 20)** Small Steps: 8 NCETM Spine: 1.10 (TP 5), 1.11 (TP 5 and 6)				**Place Value (within 50)** includes counting in 2s and 5s Small Steps: 9 NCETM Spine: 1.9, 2.1				**Length and Height** Small Steps: 3 NCETM Spine: 1.1	**Weight and Volume** Small Steps: 6 NCETM Spine: 1.1		Consolidation
NCTEM Prior	**Unit 4** Recognise, compose, decompose and manipulate 2D and 3D shapes			**Unit 5** Numbers 0 - 10	**Unit 5** Numbers 0 - 10	**Unit 6** Additive structures				**Unit 7** Addition and subtraction facts within 10		
Summer	**Multiplication and Division** Small Steps: 7 NCETM Spine: 2.1 (TP 1-3) could also ref back to 1.8 TP 2				**Fractions** Small Steps: 4 NCETM: Key Stage 1 Y1: Halving shapes or objects Y1: Find a quarter of a shape or object	**Position & Direction** Small Steps: 3 NCETM Spine: N/A	**Place Value (within 100)** Small Steps: 6 NCETM Spine: 1.9		**Money** Small Steps: 3 NCETM Spine: 2.1 (TP 4 – 6)	**Time** Small Steps: 6 NCETM Spine: N/A		Consolidation
NCTEM Prior	**Unit 8** Numbers 0 - 20				**Unit 10** Position and direction			**Unit 9** Unitising and Coin recognition			**Unit 11** Time	

Garswood Maths Overview Year 2

Number/PV		Geometry		Measure		Statistics	

NCTEM Prior	number facts	add/ subtract	Mult/ divis	NCTEM spine link (TP) – Teaching Point	Number of White Rose small steps per block

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12

Autumn

Place Value
Small Steps: 10
NCETM Spine: 1.9 (revisit Year 1 PV to 100)
2.1 (count in 2s, 5s, 10s)

Addition and Subtraction
Small Steps: 16
NCETM Spine: Could refer back to 1.2 (for part-whole), 1.8 (support with tens and bonds to 100), 1.9 (TP 6 using PV for fact families) 1.7 (fact families inverse etc.)
1.14 (add and sub tens, 10 more less) 1.13 – (covers most small steps) 1.14, 1.15
1.16 (subtraction 2 digit 2 digit, bonds 10s and 1s) 1.11 (three addends)
2.1 (TP 2 bonds to 100 from Y3)

Money
Small Steps: 10
NCETM Spine: revisit 2.1 (TP 4-6) Use Add & Sub skills from previous block and apply to money (y4 is next spine on money)

Multiplication and division
Small Steps: 9
NCETM Spine: 2.2, 2.3 (TP1)
2.5 (arrays)
2.3 (2x table), 2.4 (10 and 5 x table)

NCTEM Prior

Unit 1 Numbers 10 - 100	Unit 2 Calculations within 20	Unit 3 Fluency add and subtract within 10	Unit 4 add and subtract 2 digit numbers	Unit 5 Introduction to multiplication

Spring

Multiplication and Division
Small Steps: 6
NCETM Spine: (1.4 and 1.10 TP 3 if needed to refer back to y1 odd/even numbers)
2.6 - (TP 1-3 sharing and grouping)
(TP 4 divide by 2, 5, 10)

Statistics
Small Steps: 6
NCETM Spine: some ideas in 1.12 but this is mainly a focus on difference

Properties of Shape
Small Steps: 12
NCETM Spine: N/A

Fractions
Small Steps: 12
NCETM Spine: Key Stage 1 Fractions

Length & Height
Small Steps: 5
NCETM Spine: could ref back to 1.1

Consolidation

NCTEM Prior

Unit 5 Introduction to multiplication	Unit 7 Shape	Unit 6 Introduction to division structures	Unit 8 Addition and subtraction of 2-digit numbers

Summer

Position and Direction
Small Steps: 4
NCETM Spine: N/A

Problem solving and efficient methods

Time
Small Steps: 6
NCETM Spine: N/A

Mass, Capacity and Temperature
Small Steps: 7
NCETM Spine: N/A

Investigations

NCTEM Prior

Unit 9 Money	Unit 10 Fractions	Unit 11 Time	Unit 12 Position and direction	Unit 13 Mult/Divis doubling, halving, quotative, partitive division	Unit 14 Sense of measure capacity, volume, mass

Garswood Maths Overview **Year 3**

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Number/PV		Geometry		Measure		Statistics	

NCTEM Prior	number facts	add/ subtract	Mult/ divis	Fractions	NCTEM spine link (TP)—Teaching Point	Number of White Rose small steps per block

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Wk 12
Autumn	**Place Value** Small Steps: 10 NCETM Spine: 1.17 (TP1 hundreds, 1000, 50s, 25s) 1.18 (TP1 100s,10s,1s) (TP2 number line to 1000) (TP3 1,10,100 more or less) (TP4 compare order)			**Addition and Subtraction** Small Steps: 18 NCETM Spine: 1.18 (TP 5 add and sub multiples of 100) 1.19 1.17 (TP 3 + 4 crossing 10s and 100s) 1.20 (written addition) 1.21 (written subtraction)					**Multiplication and Division** Small Steps: 10 NCETM Spine: 2.6 (revisit for equal groups) 2.8 (TP 1 mult and divide by 3) 2.7 (mainly TP2 mult divide by 4 incl 4x table) (TP3 & 4 mult and divide by 8 incl 8x table)			Consolidation
NCTEM Prior	**Unit 1** Adding/ subtract across 10					**Unit 2** Numbers to 1000						
Spring	**Multiplication and Division** Small Steps: 9 NCETM Spine: 2.6 TP4 related 2.13 (TP 6 related facts taken from y4) 2.19 (related facts taken from y5) 2.17 and 2.8 (TP 5 scaling) 2.14 (select from TP 1 & 2) 2.15 (TP 1) (Concrete resources best for this topic)			**Money** Small Steps: 5 NCETM Spine: revisit 2.1 1.25 (select appropriate)	**Statistics** Small Steps: 3 NCETM Spine: N/A		**Length and Perimeter** Small Steps: 8 NCETM Spine: 2.16 (TP 1 to introduce)			**Fractions** Small Steps: 9 NCETM Spine: revisit Key Stage 1 3.1, 3.2 3.6 (TP 3 Fractions of amounts)		Consolidation
NCTEM Prior	**Unit 6**	2, 4, 8 times table	**Unit 4** Manipulating the additive relationship and securing mental calculation			**Unit 5** Column addition		**Unit 3** Right angles		**Unit 7** Column subtraction		
Summer	**Fractions** Small Steps: 7 NCETM Spine: 3.3 (compare and order) 3.4 (add and sub fractions) 3.7 (select from TP 1 + 2 only)			**Time** Small Steps: 11 NCETM Spine: N/A			**Properties of shape** Small Steps: 9 NCETM Spine: N/A		**Mass and Capacity** Small Steps: 8 NCETM Spine: N/A			Consolidation
NCTEM Prior	**Unit 8** Unit Fractions				**Unit 9** Non-Unit Fractions			**Unit 10** Parallel and perpendicular sides in polygons			**Unit 11** Time	

Garswood Maths Overview Year 4

Number/PV		Geometry		Measure		Statistics	

NCTEM Prior	number facts	add/subtract	Mult/ divis	Fractions		NCTEM spine link (TP)—Teaching Point	Number of White Rose small steps per block

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Wk 12
Autumn	**Place Value** Small Steps: 13 NCETM Spine: 1.17 (count in 25s), 1.22, 1.27 (negative numbers)				**Addition and Subtraction** Small Steps: 10 NCETM Spine: 1.22 (TP 3 add sub 1s,10s,100s,1000s and TP5). Refer back to 1.20 and 1.21 for introducing written methods.			**Length & Perimeter** Small Steps: 5 NCETM Spine: 2.16	**Multiplication and Division** Small Steps: 12 NCETM Spine: 2.6 (TP5 for x ÷ 0 and 1), 2.8 (6x and 9x), 2.9 (7x), 2.13 (x ÷ 10,100)			Consolidation
NCTEM Prior	**Unit 1** Review of column addition and subtraction			**Unit 2** Numbers to 10, 000				**Unit 3** Perimeter	**Unit 4** 3, 6, 9 times table			
Spring	**Multiplication and Division** Small Steps: 11 NCETM Spine: 2.10 (factor pairs), 2.11 (11x, 12x & efficient mult), 2.14 (multiplication) 2.15 (division) 2.12 (remainders)			**Area** Small Steps: 4 NCETM Spine: 2.16	**Fractions** Small Steps: 10 NCETM Spine: May need to visit 3.0 (KS1 fractions) & Year 3 for intro. 3.4 (add and sub fractions) 3.7 (equiv - TP1 & TP2), 3.5 (be selective - show more than one whole in fractions, count on & back past 1, add & sub)					**Decimals** Small Steps: 10 NCETM Spine: (Revisit 2.13 for ÷ 10 and 100), 1.23 (tenths, hundredths), 1.24 (mainly TP 1 and some of TP2)		Consolidation
NCTEM Prior	**Unit 5** 7 times table and patterns			**Unit 6**			Understanding and manipulating multiplicative relationships			**Unit 7** Coordinates		
Summer	**Decimals** Small Steps: 6 NCETM Spine: 1.24 (TP2, TP7)	**Money** Small Steps: 4 NCETM Spine: 1.22 (TP 4 estimate money) 1.25		**Time** Small Steps: 4 NCETM Spine: N/A	**Statistics** Small Steps: 4 NCETM Spine: N/A		**Properties of Shape** Small Steps: 6 NCETM Spine: N/A			**Position & Direction** Small Steps: 4 NCETM Spine: 1.27 TP 6		Consolidation
NCTEM Prior	**Unit 8** Review of Fractions		**Unit 9** Fractions greater than 1			**Unit 10** Symmetry in 2D shapes		**Unit 11** Time	**Unit 12** Division with remainders			

Garswood Maths Overview Year 5

White Rose Maths

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Legend

Number/PV	(blue)
Geometry	(green)
Measure	(yellow)
Statistics	(pink)

NCTEM Prior	(yellow)
number facts	(white)
add/subtract	(purple)
Mult/ divis	(pink)
Fractions	(navy)
NCTEM spine link (TP)—Teaching Point	(red)
Number of White Rose small steps per block	(green)

Term Overview

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Wk 12

Autumn

Place Value
Small Steps: 11
NCETM Spine: 1.26
1.27 (negative numbers)

Addition and Subtraction
Small Steps: 5
NCETM Spine: revisit 1.22 (TP 3 and TP5) and 1.20, 1.21 for written methods.
1.29 (strategies and mental methods as opposed to written. Includes decimals) 1.29 (TP 3 difference)
1.29 (TP 6 estimate, approximate, inverse)
1.28 (multi-step problems)

Statistics
Small Steps: 6
NCETM Spine: some examples in 1.28 and 1.29

Multiplication and Division
Small Steps: 9
NCETM Spine: 2.21 (factors multiples prime)
2.9 (square numbers)
2.13 (mult divide 10,100,100)
2.19 (10,100,1000) 2.20 (cube numbers)
2.18 (maybe stand alone as equivalence)

Perimeter and Area
Small Steps: 5
NCETM Spine: revisit 2.16

Consolidation

NCTEM Prior

Unit 1 Decimal fractions
Unit 2 Money
Unit 3 Negative numbers
Unit 4 Short multiplication and short division

Spring

Multiplication and Division
Small Steps: 7
NCETM Spine: 2.23 (area model)
2.15 (division)
2.14 (written multiplication)

Fractions
Small Steps: 20
NCETM Spine: revisit parts of earlier fractions to prepare for topic (3.1, 3.2, 3.3, 3.4)
3.7 (equivalents and simplifying, compare order), 3.8 (add and subtract), 3.5 improper and mixed, 3.6 multiplying

Decimals and Percentages
Small Steps: 10
NCETM Spine: continue from y4 1.23 and 1.24 (1/10, 1/100, 1/000ths)
1.24 (TP 3 compare and order)
3.10 FDP (TP1,TP2,TP4, TP5)

Consolidation

NCTEM Prior

Unit 5 Area and scaling
Unit 6 Calculating with decimal fractions
Unit 7 Factors, multiples and primes

Summer

Decimals
Small Steps: 12
NCETM Spine: ref back to 1.23 TP 4 -6
1.24 (TP 4 & 6)
2.19 TP 2 and 2.29 (decimals by 10,100,1000)

Properties of Shape
Small Steps: 9
NCETM Spine: N/A
1.28 (some ideas in TP4)

Position & Direction
Small Steps: 5
NCETM Spine 1.27 TP 6

Converting Units
Small Steps: 6
NCETM Spine: (1.24 TP5)

Volume
Small Steps: 4
NCETM Spine: 2.20

Consolidation

NCTEM Prior

Unit 8 Fractions
Unit 9 Converting Units
Unit 10 Angles and transformations

Garswood Maths Overview Year 6

Number/PV | **Geometry** | **Measure** | **Statistics**

| NCTEM Prior | number facts | add/ subtract | Mult/ divis | Fractions | NCTEM spine link (TP)—Teaching Point | Number of White Rose small steps per block |

Term	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Wk 12
Autumn	**Place Value** Small Steps: 4 NCETM Spine: revisit y5 1.26PV 1.30 (mainly TP2 and TP3) 1.30 (TP 5 rounding)	**Add, Sub, Multiplic and Division** Small Steps: 15 NCETM Spine: 1.30TP 4 (revisit 1.20 and 1.21 for column) 1.30 (maybe use to secure PV and counting through boundaries using mental methods TP4 and fluency including RPS in TP6) 2.24 (division - ref back to 2.15 if necessary) 2.23 long multiplication 2.21 common factors, common multiples, primes 2.20 cubes and ref back to 2.9 for square numbers 2.22 and 2.28 (order operations) 2.25 (reason known facts)					**Fractions** Small Steps: 16 NCETM Spine: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3				**Position & Direction** Small Steps: NCETM Spine: 1.27 TP 6	Consolidation
NCTEM Prior	**Unit 1**		**Calculating using knowledge of structures**		**Unit 2** Multiples of 1000		**Unit 3** Numbers up to 10, 000,000				**Unit 4** Draw, compose and decompose shapes	
Spring	**Decimals** Small Steps: 9 Spine: revisit TP 1.24 for 3 D.P, revisit 2.29 - multi div 10,100,1000 2.19 mult div decimals by integers 2.28 (some support with division problems but no decimals) 3.10 fraction decimal		**Percentages** Small Steps: 6 NCETM Spine: 3.10		**Algebra** Small Steps: 10 NCETM Spine: 1.28, 1.31		**Convert Units** Small Steps: 5 NCETM Spine: 2.29 TP2 (metric only)	**Perimeter, Area and Volume** Small Steps: 8 NCETM Spine: 2.30 area perimeter (revisit 2.16) 2.20 volume		**Ratio** Small Steps: 7 NCETM Spine: 2.27		Consolidation
NCTEM Prior	**Unit 5**		**Multiplication**	**and division**	**Unit 6** Area position, perimeter and direction		**Unit 7**				**Fractions and percentages**	
Summer	**Property of Shape** Small Steps: 11 NCETM Spine: 1.28 TP4 (missing angles only)		**Problem Solving**		**Statistics** Small Steps: 8 NCETM Spine: 1.28 TP3 (pie chart, bar chart - missing values focus) 3.10 TP6 - percentage context, 2.26 mean average		**Investigations**					Consolidation
NCTEM Prior	**Unit 8** Statistics		**KS2 TESTS**		**Unit 9**	**Ratio and proportion**	**Unit 10**	**Calculating using structures**	**Unit 11**	**Solving problems with two unknowns**	**Unit 12** Order of operations	**Unit 13** Mean average

	SPINE 1: **Place Value, Add Subtract**	**SPINE 2:** **Multiplication and Division**	**SPINE 3:** **Fractions**
Year 1	1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, 1.9, 1.10	2.1	3.0
Year 2	1.11, 1.12, 1.13, 1.14, 1.15, 1.16	2.2, 2.3, 2.4, 2.5, 2.6	3.0
Year 3	1.17, 1.18, 1.19, 1.20, 1.21	2.7, 2.8, 2.9	3.1, 3.2, 3.3, 3.4
Year 4	1.22, 1.23, 1.24, 1.25	2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17	3.5, 3.6
Year 5	1.26, 1.27, 1.28, 1.29	2.18, 2.19 , 2.20, 2.21, 2.22	3.7, 3.8
Year 6	1.30, 1.31	2.23, 2.24, 2.25, 2.26, 2.27, 2.28, 2.29, 2.30	3.9, 3.10

Number		**Geometry**		**Measure**		**Statistics**	

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Place Value (within 10) / Addition and Subtraction (within 10) NPV-1, NPV-2, NF-1, AS-1, AS-2	Addition and Subtraction (within 10) / Shape / Number: Place Value (within 20) NF-1, AS-1, AS-2, G-1, NPV-1, NPV-2	Addition and Subtraction (within 20) / Place Value (within 50) NPV-1	Length and Height / Weight and Volume NF-2, NPV-2, AS-2	Multiplication and Division / Fractions NF-2	position and direction / Place value (within 100) / Money Time G-2, NPV-1, NF-2
Year 2	Place value / Addition and Subtraction NPV-1, NPV-2, AS-1, AS-3	Addition and subtraction / Money / Multiplication and Division AS-1, AS-2, AS-3, AS-4, NPV-2, MD-1	Multiplication and Division / Statistics MD-1, MD-2, NPV-2	Properties of Shape / Fractions G-1	Length and Height / Position and Direction	Time / Mass, Capacity and Temperature
Year 3	Place Value / Addition and Subtraction NPV-1, NPV-2, NPV-3, NPV-4, AS-2,	Number Addition and Subtraction / Multiplication and Division / AS-2, MD-1 Multiplication and Division	Money / Statistics MD-1, NPV-2, AS-2 / Length and Perimeter	Fractions NPV-2, NPV-3, AS-2, NF-1, F-1, F-2, F-3 / Number: Fractions	Measurement: Time F-1, F-2, F-3, F-4	Properties of Shape / Mass and Capacity G-1, G-2
Year 4	Place Value / Addition and Subtraction NPV-1, NPV-2, NPV-3, NPV-4 / Length and Perimeter	Multiplication and Division / G-2, MD-1, NF-1, MD-2, Multiplication and Division / Area	Fractions / Fractions NF-1, MD-2, MD-3, F-1, F-2	Decimals F-3 / Decimals	Money / Time Statistics	Properties of Shape / Position and Direction NPV-4, G-2, G-3, G-1
Year 5	Place Value / Addition and Subtraction / Statistics NPV-2, NPV-3, NPV-4	Multiplication and Division / Perimeter and Area MD-1, MD-2, G2 / Multiplication and Division	Fractions MD-3, MD-4, F-2, / Fractions	Decimals and Percentages F-1, NPV-2, F-3, NPV-1, NPV-3 / Decimals	Properties of Shape MD-1, G-1, / Position and Direction	Converting Units / Volume NPV-6
Year 6	Place Value / Addition, Subtraction, Multiplication and Division NPV-2, NPV-3,	Addition, Subtraction, Multiplication and Division / Fractions / Position and Direction AS-2, F-1, F-2, F-3	Decimals / Percentages / Algebra	NPV-2, MD-4 Converting Units / Perimeter, Area and Volume	Ratio / Statistics G-1, MD-3	Properties of Shape G-1 / Consolidation