Year 1

Children know how to:	Opportunities and ideas for journaling. "How do mathematicians.."	Problem Solving and reasoning opportunities	NCETM Spine and Assessment Materials
AUTUMN			**Year 1 Spine 1**
Number: Place Value Within 10 (4 WEEKS)	White Rose Activities:	NRICH	1.1: TP 2.1-3.6
Sort objects			
Count objects	Counting	Dotty six	1.3: TP 1.1- 1.4 (introduces
Represent objects	Comparing	Eightness of Eight	subitising),
Count, read and write forwards from and number 0 to 10			
Count, read and write backwards from and number 0 to 10	How do mathematicians count?		1.4: TP 2.1- 2.6
Count one more			
Count one less			
One-to-one correspondence to start to compare groups			Yr1 NCETM assessment materials
Compare groups using language such as equal, more/greater, less/fewer			Page 9-13
Introduce <. > and = symbols			
Compare numbers			
Order groups of objects			
Order numbers			
Ordinal numbers (1st, 2nd, 3rd …)			
The number line			
Number: Addition and Subtraction Within 10 (4 WEEKS)			**Year 1 Spine 1**
Part-whole model	White Rose Activities:		1.2: TP 1.1- 1.3, 2.1- 2.3, 3.1- 3.6, 4.1- 4.7
Addition symbol			
Fact families- addition facts	Part and Wholes		1.3: TP 3.1- 3.5, 4.1- 4.3, 5.1- 5.3, 7.1- 7.5
Find number bonds for number within 10			
Systematic methods for number bonds within 10	How do mathematicians add?		1.4: TP: 1.1- 1.10, 4.1- 4.3, 5.1, 5.2
Number bonds to 10			
Compare number bonds			
Addition- adding together	How do mathematicians subtract?		1.5: TP: 1.1-1.6, 2.1- 2.6, 3.1- 3.6, 4.1- 4.4
Addition- adding more			
Finding a part			
Subtraction- taking away, how many left? Crossing out			

Subtraction- taking away, how many left? Introducing the subtraction symbol			1.6: TP: 1.1- 1.7, 2.1- 2.9, 3.1- 3.4, 4.1- 4.6
Subtraction- finding a part, breaking apart			
Fact families- the 8 facts			1.7: TP: 1.1- 1.6, 2.1- 2.4, 3.1- 3.7. 4.1- 4.5, 7.1- 7.5, 8.1- 8.3, 9.1- 9.8, 10.1-10.3
Subtraction- counting back			
Subtraction- finding the difference			
Comparing addition and subtraction statements a+b>c			Yr1 NCETM assessment materials
Comparing addition and subtraction statements a+b>c+d			Page 13-16
Number: Place Value Within 20 (2 WEEKS)			**Year 1 Spine 1**
Count forwards and backwards and write numbers to 20 in numerals and words	How do mathematicians compare numbers?	NRICH Biscuit Decoration Writing digits Same length trains	1.10: TP: 1.1- 1.9, 3.1-3.5
Numbers from 11 to 20			Yr1 NCETM assessment materials
Tens and ones			Page 9-13
Count one more and one less			
Compare groups of objects			
Geometry: Shape (Cross curricula Art)			
Recognise and name 3D shapes	Link to Paul Klee or Christmas Projects		Yr1 NCETM assessment materials
Sort 3D shaped			Page 27-29
Recognise and name 2D shapes			
Sort 2D shapes	How do artists use maths?		
Patterns with 3D and 2D shapes			
Compare numbers			
SPRING			
Number: Addition and Subtraction Within 20 (4 WEEKS)			
Add by counting on			
Find and make number bonds			
Add by making 10			
Subtraction- not crossing 10			
Subtraction- crossing 10 (1)			
Subtraction- crossing 10 (2)			
Related facts			
Compare number sentences			
Number: Place Value Within 50 (3 WEEKS)			
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			
Measurement: Length and Height (2 WEEKS)			
Compare lengths and heights	Journaling using WR Activities.		
Measure length (1)			
Measure length (2)			
Measurement: Weight and Volume (2 WEEKS)			
Introduce weight and mass			
Measure mass			
Compare mass			
Introduce capacity and volume			
Measure capacity			
Compare capacity			
SUMMER			
Number: Place Value to 100 (2 WEEKS)			
Counting to 100			
Partitioning numbers			
Comparing numbers (1)			
Comparing numbers (2)			
Ordering numbers			
One more, one less			
Number: Multiplication and Division (3 WEEKS)			
Count in 10s			
Make equal groups			
Add equal groups			
Make arrays			
Make doubles			
Make equal groups- grouping			
Make equal groups- sharing			
Measurement: Money (1 WEEK)			
Recognising coins			
Recognising notes			
Counting in coins			

Measurement: Time (2 WEEKS)			
Before and after			
Dates			
Time to the hour			
Time to the half hour			
Writing time			
Number: Addition and Subtraction Within 20 Consolidation from Spring Term (2 WEEKS)			
Add by counting on	Chose suitable small steps to re-teach or revise.		
Find and make number bonds			
Add by making 10			
Subtraction- not crossing 10			
Subtraction- crossing 10 (1)			
Subtraction- crossing 10 (2)			
Related facts			
Compare number sentences			