Year 3 – Ov	verview													
	Week 1	Week 2	Week	Week	Week	Week	Week 7	Week 8	Week 9	Week 10	Week 11	Week	Week 13	Week 14
			3	4	5	6						12		
Autumn	umn Number - Place Value		Number – Addition & Subtraction		Geometry - Shape	Number – Multiplication & Division		Consolidate						
Spring	ing Number - Fractions Measure - Peri & Length		meter Number - Fractions		Number- Multiplicat	ion &	Geometry – Shape: Turn		Consolidate					
		& Lerigui			Division	lion &	Snape. rum	5						
Summer	<b>Measure</b> Money	Statistics	Measu Mass & Capac	Š.	Time- Analog clock & Romar numer	Š.	Number- Addition & Subtraction review	Number Multiply & Division Review	Fraction Review	<b>Geometry</b> Review	Consolidate	Note: Attendance Statistics week will be carried out during sports week.		

Counting Week 1	Counting Week 2	Counting Week 3	Partitioning Week 4	
Count in steps of 2,3, and 5 from 0, and in tens from any number, forwards and backward. Recognise the place value of each digit in two-digit numbers (tens, ones)	Read and write any given numbe least 100 in numerals and words.	Review counting in 5s and 10s. Discuss how multiples of 5, 10, 50 and 100 end in	· · ·	
		1		
		National Curriculum		
Stem sentences to be intr	oduced – use ping	*Count from 0 in multiples of 4, 8, 5	0 and 100.	
pong effect between yours	self and the children.	* Find 10 or 100 more or less than a given number		
		-	digit in a three-digit number	
<u>-</u>	ecalling a maths			
strategy.		•		
Bassaning and making a	-1	· · · · · · · · · · · · · · · · · · ·	umbers using different	
		•	20 in accompany to a second in a constant	
•	available on the			
NCETH reasoning site.		•	ical problems involving these	
Mastery assessment – dee	en understanding of	luea		
-	-			
the end of the unit.	a amounto to doo di			
	Count in steps of 2,3, and 5 from 0, and in tens from any number, forwards and backward. Recognise the place value of each digit in two-digit numbers (tens, ones)  Stem sentences to be intropong effect between your  Use choral response for restrategy.  Reasoning and problem-sbe completed in this unit-NCETM reasoning site.  Mastery assessment – demaths.8 questions of varie	Count in steps of 2,3, and 5 from 0, and in tens from any number, forwards and backward. Recognise the place value of each digit in two-digit numbers (tens, ones)  Stem sentences to be introduced – use ping pong effect between yourself and the children.  Use choral response for recalling a maths strategy.  Reasoning and problem-solving questions to be completed in this unit- available on the NCETM reasoning site.  Mastery assessment – deep understanding of maths.8 questions of varied difficulties to use at	Count in steps of 2,3, and 5 from 0, and in tens from any number, forwards and backward. Recognise the place value of each digit in two-digit numbers (tens, ones)    Stem sentences to be introduced – use ping pong effect between yourself and the children.    Use choral response for recalling a maths strategy.   Reasoning and problem-solving questions to be completed in this unit- available on the NCETM reasoning site.   Mastery assessment – deep understanding of maths.8 questions of varied difficulties to use at   Count from 0 in multiples 50 and 100.	

### Year 3 - Overview

Spine 1: 1.18 Teaching point 1 (1's,10's,100's) Teaching point 2

(number line to 1000)

Teaching point 3

(1,10,100 more or less)

Teaching point 4
(compare and order)

Include counting in 100,50,25

NCETM- ready to progress. Year 3 Slides 2 - 6 Stem sentences to be included & recorded in books.

# Addition & Subtraction – Starter 10mins

### Adding mentally Week 5

Use number bonds to add mentally.

**13 + 7 =?** 3+7 = 10 so 10 + 10 = 20

**23 + 7** = 3 +7 = 10, so 10 +20 =

Progress to apply the above skill to 3 digit numbers.

### Subtracting mentally Week 6

Use number line to add on to subtract. Adding up to nearest tens. 87-25 =

25\_\_\_\_\_87

Progress to apply the above skill to 3 digit numbers.

# Adjust to subtract mentally (-9 and -11 to start with) Week 7

37 - 9 = 28

(Adjust 9 by adding one to it to make 10, 37-10 = 27, then adjust the answer by adding 1, 27+1= 28)

Apply the same with -11 but encourage children to partition 11 into 10 + 1, take 10 away first, then take 1 away.

Progress to apply the above skill to 3 digit numbers.

### Adding and subtracting

#### mentally Week 8

Review adding and subtracting mentally checking progress to 3-digit numbers.

## Week 5- Addition & Subtraction

# Number -Addition and Subtraction

Spine 1: 1.17- Teaching point 3&4 (crossing 10's & 100's)

Spine 1: 1.18- Teaching point 1 to 4

Teaching point 5 (add &

subtract multiples of 100)

Teaching point 6

(Counting sequence up to 1000)

Spine 1: 1.19 – Teaching points 1 – 4 Securing mental strategies:

calculation up to 999

Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.

Mastery assessment – deep understanding of maths. 8 questions of varied difficulties to use at the end of the unit.

NCETM- ready to progress. Year 3 Slides 10 & 16 - 19

Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose.

- \* Add and subtract numbers mentally, including:
- \* A three-digit number and ones
- \* A three-digit number and tens
- \* A three-digit number and hundreds
- \* Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- \* Estimate the answer to a calculation and use inverse operations to check answers
- \* Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction

Year 3 – Overview				
Spine 1: 1.20 – Teaching point 1 - 5 Algorithms: column addition. Written addition Spine 1: 1.21 Written subtraction				
Shape - Starter – 10 mins	Counting Week 9  Count from 0 in multiples of 4.  Review counting in multiples of 2 and dii is 4. All multiples of 2 and 4 are even. Us hundred squares.			
Week 9 - Geometry Measure 2D shape Revisit what makes a 2D shape- look at visual representations- Practical manipulation/ Geo boards.	Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.  Mastery assessment – deep understanding of maths. 4 questions of varied difficulties to use at the end of the unit.  Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy.  Extra resources are available on White Rose site.		*Draw 2-D shapes and make 3-D sharecognise 3-D shapes in different or	
Multiplication & Division – Starter 10 mins	Use Knowledge of near doubles to add mentally. Week 10 25 + 26 = 51 (26 can be partitioned into 25+1, so 25+25= 50, 50 + 1 = 51) 150+152=302 (152 can be partitioned to 150 + 2, double 150 is 300, 300 + 2 = 302).	X 10 mentally. Week 11    1000   100   10   1   1   1   1   1	Children need to understand that the answer decreases in division. The	Counting

k Division    Spine 2- 2.6 (Revisit for equal groups)			
be completed in this unit- resources available on the NCETM reasoning site.  Spine 2- 2.6 (Revisit for equal groups) Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 11-12 Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose site.  Spring Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions Revisit Spine 3-Ks1 fractions for intro  Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.  *Cound the NCETM reasoning site on the NCETM reasoning site.  *Cound the NCETM reasoning site on the NCETM reasoning site on the NCETM reasoning site.  *Cound the NCETM reasoning site on the NCETM reasoning site.  *Cound the NCETM reasoning site on t	Review counting in multiples of 2 and discuss the links – double 2 is 4. All multiples of 2 and 4 are even. Use counting sticks and hundred squares.		
Spine 2- 2.6 (Revisit for equal groups) Spine 2- 2.7 Teaching point 1-5 – Times tables: 2,4, & 8, and the relationship between them. Spine 2- 2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  Spine 2- 2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  Spine 2- 2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  Spine 2- 2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  NCETM- ready to progress. Year 3 Slides 11-12 Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose site.  Spring  Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions Revisit Spine 3-Ks1 fractions for intro  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  on the NCETM reasoning site.  *Recamulting **Write and difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.	nt from 0 in multiples of 4, 8,50, & 100, find 10 or 100 more or		
Spring 2- 2.6 (Revisit for equal groups) Spine 2- 2.7 Teaching point 1-5 – Times tables: 2,4, & 8, and the relationship between them. Spine 2- 2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  Spring  Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions Revisit Spine 3- 8.5 1 fractions for intro  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit. NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.  multip *Write and di for two progre *Solve multip proble conne *Solve schoral response for recalling maths strategy. Extra resources are available on White Rose site.  Days the end of the unit.  *Counties the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing	han a given number.		
Spring 2- 2.7 Teaching point 1-5 – Times tables: 2,4, & 8, and the relationship between them. Spine 2-2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  Spine 2-2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  Spine 2-2.8 Teaching point 1 only- Times table: 3,6 & 9 & the relationship between them.  NCETM- ready to progress. Year 3 Slides 11-12 Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose site.  Spring  Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions Revisit Spine 3-Ks1 fractions for intro  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 11-12 Stem sentences to be included & recorded in hooks.	all and use multiplication and division facts for the 3, 4 and 8		
Times tables: 2,4, & 8, and the relationship between them.  Spine 2-2.8 Teaching point 1 only-Times table: 3,6 & 9 & the relationship between them.  NCETM- ready to progress. Year 3 Slides 11-12 Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose site.  Spring  Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions  Revisit Spine 3-Ks1 fractions for intro  Week 1 Number- Fractions  Revisit Spine 3-Ks1 fractions for intro  Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 11-12 Stem sentences to be included & recorded in hooks.	multiplication tables		
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Times table: 3,6 & 9 & the relationship between them.  Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose site.  Spring  Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions  Revisit Spine 3-Ks1 fractions for intro  Spine3- 3.1 Teaching points 1-4  Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  Stem sentences to be included & recorded in books.  Stem sentences to be included & recorded in books.  *Solve multip proble conne	o-digit numbers of times one-digit numbers, using mental and essing to formal written methods		
between them.  books. Use ping pong effect with children & choral response for recalling maths strategy. Extra resources are available on White Rose site.  Week 14- Consolidate  Spring  Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions  Revisit Spine 3-Ks1 fractions for intro  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  books. Use ping pong effect with children & choral response for recalling maths strategy.  Extra resources are available on White Rose site.  2D Sha  Identify it 2D shap  *Count dividir number- reasoning site.  *Count dividir number- reasoning site.  *Assert resources available on White Rose site.  *Count dividir number- reasoning questions to be completed in this unit- resources available on the NCETM reasoning site.  *Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.	ve problems, including missing number problems, involving		
choral response for recalling maths strategy. Extra resources are available on White Rose site.  Spring Fractions – Starter – 10 mins  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions Revisit Spine 3-Ks1 fractions for intro  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  choral response for recalling maths strategy. Extra resources are available on White Rose site.  2D Sha Identifying 2D Sha Identifying 1	plication and division, including positive integer scaling		
Extra resources are available on White Rose site.  Week 14- Consolidate  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Week 1 Number- Fractions  Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.  Resist Spine 3- Ks1 fractions for intro  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  Extra resources are available on White Rose site.  Conner  A Description of the Limit of Limit of the Limit of the Limit of the Limit of Limit of Limit of the Limit of	problems and correspondence problems in which n objects are		
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Fractions – Starter – 10 mins  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  *Cound dividing number on the NCETM reasoning site.  Spine 3 - 3.1 Teaching points 1-4  Preparing for fractions: the part whole relationship  Spine 3 - 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use had identify it 2D shape and in Autumn 1)  *Cound dividing number *Record to the unit of the unit in the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25  Stem sentences to be included & recorded in books.			
Fractions – Starter – 10 mins  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  *Cound dividing number on the NCETM reasoning site.  Spine 3 - 3.1 Teaching points 1-4  Preparing for fractions: the part whole relationship  Spine 3 - 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  Time Week 1  Read the time (digital) – 12 hour and 24 hour clock (opportunity to use had identify it 2D shape and in Autumn 1)  *Cound dividing number *Record to the unit of the unit in the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25  Stem sentences to be included & recorded in books.			
Read the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.  **Record the time (digital) – 12 hour and 24 hour clock (opportunity to use mental addition/subtraction taught in Autumn 1)  **Cound dividing number on the NCETM reasoning site.  **Record the time (digital) – 12 hour and 24 hour clock (opportunity to use have a to be completed in this unit- resources available on the NCETM reasoning site.  **Record the time (digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to the complete digital) – 12 hour and 24 hour clock (opportunity to use dividing to use dividing to the complete digital) – 12 hour and 24 hour clo	ape Week 2		
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be completed in this unit- resources available on the NCETM reasoning site.  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  be completed in this unit- resources available on the NCETM reasoning site.  Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.	r horizontal and vertical lines and pairs of perpendicular and parallel lines. Flash various pes to the children and they answer on whiteboards or verbally.		
be completed in this unit- resources available on the NCETM reasoning site.  Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  be completed in this unit- resources available on the NCETM reasoning site.  Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.			
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*Record Spine3- 3.1 Teaching points 1-4 Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  *Record fraction  *The part whole relationship  *Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  *Record fraction  *Record fraction  *Record fraction  *Record fraction  *The part whole relationship  *Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  *Record fraction  *The part whole relationship  *Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  *The part whole relationship  *Spine 3- 3.2 Teaching points 1-6 Unit fraction  *The part whole relationship  *Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  *The part whole relationship  *T	ng an object into 10 equal parts and in dividing one-digit		
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Preparing for fractions: the part whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  maths. 14 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.	ognise, find and write fractions of a discrete set of objects: unit		
whole relationship Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & comparing  at the end of the unit.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.	ons and non-unit fractions with small denominators		
Spine 3- 3.2 Teaching points 1-6 Unit fractions; identifying, representing & Stem sentences to be included & recorded in books.  NCETM- ready to progress. Year 3 Slides 21-25 Stem sentences to be included & recorded in books.			
fractions; identifying, representing & comparing  Stem sentences to be included & recorded in books.			
comparing books.			
o mpaning			
Use ping pong effect with children & choral			
response for recalling maths strategy.			

Measure – Starter – 10 mins	Counting Week 3  Count from 0 in multiples of 8.  Review counting in multiples of 2 and 4. Discuss the links – double 2 is 4, double 4 is 8. All multiples of 2, 4 and 8 are even. Use counting sticks and hundred squares.  Counting Week  Multiples of 5.  Count up and down, back and forwards in multiples of 5.  Identify that multiples of 5 en only in digits 0 and/or 5. Use counting sticks a hundred squares	multiples of 4 Week 5  Multiples of 4 are even so always end with the digits 0, 2, 4, 6 or 8. To find the answer to a x4 calculation, double the number twice. 8x4 = 8x2= 16, and 16x2=32	
Week 3: Measure-Perimeter& Length  Spine 2 2.16 Teaching points 1&2 Multiplicative contexts: area & perimeter	Reasoning and problem-solve be completed in this unit- avenue.  NCETM reasoning site.  Stem sentences to be included books.  Use ping pong effect with charesponse for recalling maths	ailable on the ed & recorded in ildren & choral	*Measure, compare, add and subtract lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)  *Measure the perimeter of simple 2-D shape
Fractions – Starter – 10 mins			
Week 6: Number- Fractions Spine 3 – 3.3 Teaching points 1-3; non-unit fractions; identifying, representing & comparing Teaching points 4-6; fractions as numbers Teaching points 7-8; comparing fractions Spine 3- 3.4 Teaching points 1-4 adding & subtracting within one whole	Reasoning and problem-solve be completed in this unit- No site.  Mastery assessment – deep maths. 14 questions of varied at the end of the unit.  NCETM- ready to progress. Y Stem sentences to be included books. Use ping pong effect choral response for recalling	understanding of difficulties to use ear 3 Slides 21-25 ed & recorded in with children &	*Recognise and show, using diagrams, equivalent fractions with small denominators  *Add and subtract fractions with the same denominator within one whole [for example, 75 + 71 = 76]  *Compare and order unit fractions, and fractions with the same denominators  *Solve problems that involve all of the above

Year 3 – Overview		
Multiplication & Division –		
Starter – 10 mins		
Week 9: Number- Multiply & Division  Spine 2- 2.14 Teaching point 1&2, multiplication: partitioning leading to short division.	Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.  Mastery assessment – deep understanding of maths. 14 questions of varied difficulties to use	*Count from 0 in multiples of 4, 8,50, & 100, find 10 or 100 more or less than a given number.  *Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables  *Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including
Spine 2 – 2.2.17 Teaching point 1 only (repeated in yr. 4) Structures: using measures & comparison to understand scaling.	at the end of the unit.  NCETM- ready to progress. Year 3 Slides 11-12  Stem sentences to be included & recorded in books.  Use ping pong effect with children & choral response for recalling maths strategy.	for two-digit numbers of times one-digit numbers, using mental and progressing to formal written methods *Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects
Geometry – Starter – 10 mins		
Week 11: Geometry- 2D Shape & Turns  Split pin angle measure to make. Angles.	Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.  Mastery assessment – deep understanding of maths. 5 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 26-27 Stem sentences to be included & recorded in books.  Use ping pong effect with children & choral response for recalling maths strategy.	*Recognise angles as a property of shape or a description of a turn *Identify right angles, recognise that two right angles make a half- turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle *Identify horizontal and vertical lines and pairs of perpendicular and parallel lines
Week 13 Consolidate		
Week 13- Starter 10 mins		
Summer		
Money- Starter- 10 mins		

Week 1: Measure- Money  Spine 1- 1.25 Teaching point 5- change  NCETM- Unit 2 Year 5 money- power points slide 12- 16	Mastery assessment – deep understanding of maths. 2 questions of varied difficulties to use at the end of the unit.  NCETM- ready to progress. Year 3 Slides 17.  Stem sentences to be included & recorded in books.  Use ping pong effect with children & choral response for recalling maths strategy.	*Add and subtract amounts of money to give change, using both £ and p in practical contexts
Statistics- Starter 10 mins		
Week 2: Statistics	Whole school attendance statistic Reasoning and problem-solving questions to be completed in this unit- resources available on the NCETM reasoning site.	*Interpret and present data using bar charts, pictograms and tables *Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.
Measure- Starter 10 mins		
Week 3: Measure- Mass & Capacity	NCETM Mastery assessment – deep understanding of maths. 4 questions of varied difficulties to use at the end of the unit.	*Measure, compare, add and subtract mass (kg/g); volume/capacity (l/ml)
White Rose resources available to supplement this.	Stem sentences to be included & recorded in books.	
	Use ping pong effect with children & choral response for recalling maths strategy.	
Time- Starter 10 mins		
Week 5: Measure: Time-	Mastery assessment – deep understanding of	*Tell and write the time from an analogue clock, including using
Analogue Clock & Roman Numerals	<b>maths</b> . 2 questions of varied difficulties to use at the end of the unit.	Roman numerals from I to XII, and 12-hour and 24-hour clocks *Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and
	Stem sentences to be included & recorded in books. Use ping pong effect with children & choral response for recalling maths strategy.	hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight

Podcasts available on NCETM site	*Know the number of seconds in a minute and the number of days in
for teaching Singapore method for	each month, year and leap year
this.	*Compare durations of events [for example to calculate the time
	taken by particular events or tasks].
Addition & Subtraction- Starter	
10 mins	
Week 7: Number- Addition &	Notes and guidance (non-statutory)
Subtraction Review	Pupils practise solving varied addition and subtraction questions.
	For mental calculations with two-digit numbers, the answers could exceed 100.
	Pupils use their understanding of place value and partitioning, and
	practise using columnar addition and subtraction with increasingly
	large numbers up to three digits to become fluent.
Multiply & Division- Starter 10 mins	
Week 8: Number- Multiply &	Notes and guidance (non-statutory)
Division Review	Pupils continue to practise their mental recall of multiplication
	tables when they are calculating mathematical statements in order to improve fluency.
	Through doubling, they connect the 2, 4 and 8 multiplication tables.
	Pupils develop efficient mental methods, for example, using
	commutativity and associativity (for example, $4 \times 12 \times 5 = 4 \times 5 \times 12 = 4 \times 12 \times $
	$20 \times 12 = 240$ ) and multiplication and division facts (for example,
	using $3 \times 2 = 6$ , $6 \div 3 = 2$ and $2 = 6 \div 3$ ) to derive related facts (for
	example, $30 \times 2 = 60$ , $60 \div 3 = 20$ and $20 = 60 \div 3$ ).
Fraction- Starter 10 mins	
Week 9: Fraction Review	Notes and guidance (non-statutory)
	Pupils connect tenths to place value, decimal measures and to
	division by 10.
	They begin to understand unit and non-unit fractions as numbers on
	the number line, and deduce relations between them, such as size
	and equivalence.
	They should go beyond the [0, 1] interval, including relating this to
	measure.

Year 3 – Overview	
	Pupils understand the relation between unit fractions as operators (fractions of), and division by integers. They continue to recognise fractions in the context of parts of a whole, numbers, measurements, a shape, and unit fractions as a division of a quantity.  Pupils practise adding and subtracting fractions with the same denominator through a variety of increasingly complex problems to improve fluency.
Geometry- Starter 10 mins	
Week 10: Geometry Review	Notes and guidance (non-statutory) Pupils' knowledge of the properties of shapes is extended at this stage to symmetrical and non-symmetrical polygons and polyhedral. Pupils extend their use of the properties of shapes. They should be able to describe the properties of 2-D and 3-D shapes using accurate language, including lengths of lines and acute and obtuse for angles greater or lesser than a right angle. Pupils connect decimals and rounding to drawing and measuring straight lines in centimetres, in a variety of contexts.
Week 11 Consolidate	
Week 11 – Starter- 10 mins	