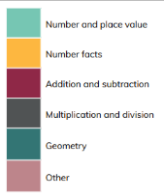


Maths Long Term Overview

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	Key Documents: Story Time Maths Materials <i>(Please see Story Time LT Plan for Additional Detail including focus text and rhymes to support key learning)</i>					
	Finger Numbers & Rhyme Colours Sorting and Classification Noticing Pattern	Finger numbers to 5 Counting and reciting numbers past 5 Awareness of numbers in the environment Subitising to 3 Sequencing AB patterns	Finger numbers to 5 Verbally counting to 10 Subitising to 4 More than / same – comparing amounts 1:1 correspondence to 5 Start to link numerals to amounts	More than / same comparing amounts Discussing shape and recognising 2D shapes Comparing size with bigger and smaller Comparing Length with bigger and smaller Patterns in the environment	Positional language Directional language Describe a familiar route Recognising, counting and making numbers in 5. Errors in repeating patterns – growing patterns 1:1 correspondence to 10 1 more/1 less	Comparison relating to capacity/weight more/less Sequencing time – day/night, days of the week, months of the year Subitising to 5 Counting to 5 (and beyond) Capacity
Reception	Key Documents: Mastering Number NCETM <i>(Please see NCETM Plans for additional detail) / EET Story Time Maths Supplementary Units</i> <i>(Please see below for LT coverage of units and MT plan for further detail)</i>					
	<u>Mastering Number (5 weeks)</u> Subitising within 3 Counting Explore how all numbers are made of 1s Composition of 3 and 4 Subitising objects and sounds Language of comparison: more than / fewer than <u>EET Story Time Unit (2 weeks)</u> SSM STU 1 – Pattern SSM STU 2 – 2D Shapes	<u>Mastering Number (5 weeks)</u> Five-ness of 5 Comparison of sets by matching Language of comparison Explore the concept of ‘whole’ and ‘part’ Composition of 3,4,5 Match numerals to quantities within 10 Verbal counting beyond 20 <u>EET Story Time Unit (2 weeks)</u> SSM STU 3 – Length and Height SSM STU 4 – 3D Shapes	<u>Mastering Number (5 weeks)</u> Subitising within 5 Matching numerals to quantities within 5 Focus on 5 Focus on 6 and 7 as 5 and a bit Compare sets and use language of comparison: more than, fewer than, equal Make unequal sets equal <u>EET Story Time Unit (1 week)</u> SSM STU 5 – Time	<u>Mastering Number (5 weeks)</u> ‘Staircase’ pattern of ordering numbers Ordering numbers to 8 Use language of less than Doubles – explore how some numbers can be made with two equal parts Sorting numbers according to attributes – odd and even <u>EET Story Time Unit (1 week)</u> SSM STU 6 – Mass & Weight	<u>Mastering Number (5 weeks)</u> Counting – larger sets and things that cannot be seen Subitising to 6 Composition – 5 and a bit Composition of 10 Comparison linked to ordinality <u>EET Story Time Unit (2 weeks)</u> SSM STU 7 – 2D Shapes SSM STU 8 – Capacity & Volume	<u>Mastering Number (6 weeks)</u> Subitise to 5 – introduce rekenrek Automatic recall of bonds to 5 Composition of numbers to 10 Comparison Number Patterns Counting <u>EET Story Time Unit (1 week)</u> SSM STU 9 – 3D Shapes

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year One	Key Documents: NCETM / Oak Units (outlined below)/ Mastering Number Year One (See Mastering Number LT / Weekly Plan) Additional 20-minute daily session					
Number and place value Number facts Addition and subtraction Geometry Other	Number & Place Value <u>NCETM Reference (7 weeks)</u> Unit 1 - Previous Reception experience and counting within 100 <u>Oak Academy</u> <u>Weeks 1-3</u> Unit 1. Counting, recognising and comparing numbers 0-10 <u>Weeks 4-5</u> Unit 2. Counting to and from 20 <u>Week 6</u> Unit 3. Counting in tens- decade numbers <u>Week 7</u> Unit 4. Pattern in counting from 20-100	Number & Place Value <u>NCETM Reference (3 weeks)</u> Unit 2- Comparison of quantities and part-whole relationships <u>Oak Academy</u> <u>Weeks 1-3</u> Unit 5. Comparing quantities- part whole relationships	Geometry <u>NCETM Reference (3 weeks – 2 before Christmas, one after)</u> Unit 4. Recognise, compose, decompose and manipulate 2D and 3D shapes <u>Oak Academy</u> <u>Week 1 (3rd week of unit)</u> Unit 7. Recognise, compose, decompose and manipulate 2D and 3D shapes	Addition & Subtraction <u>NCETM Reference (4 weeks – 2 weeks before holiday, two after)</u> Unit 6. Additive Structures <u>Oak Academy</u> <u>Week 1-2</u> Unit 10. Additive Structures: Addition and Subtraction	Number & Place Value <u>NCETM Reference (4 weeks)</u> Unit 8- Numbers 0 to 20 <u>Oak Academy</u> <u>Week 1-2</u> Unit 12, composition of numbers 11-19 <u>Week 3-4</u> Unit 13. Numbers 0 to 20 in different contexts	Number Facts <u>NCETM Reference (5 weeks – 3 weeks before holiday, 2 weeks after)</u> Unit 9- Unitising and coin recognition <u>Oak Academy</u> <u>Week 1</u> Unit 15 (part 2). Unitising and coin recognition- value of a set of coins <u>Week 2</u> Unit 16. Solving problems in a range of contexts
		Number & Place Value / Addition & Subtraction <u>NCETM Reference (2 weeks)</u> Unit 3, Numbers 0 to 5 <u>Oak Academy</u> <u>Weeks 4-5</u> Unit 6. Composition of numbers 0 to 5	Number & Place Value / Addition & Subtraction <u>NCETM Reference (3 weeks)</u> Unit 5- Numbers 0 to 10 <u>Oak Academy</u> <u>Weeks 2-4</u> Unit 8. Composition of numbers 6 to 10.	Number Facts <u>NCETM Reference (3 weeks)</u> Unit 7- Addition and Subtraction Facts Within 10 <u>Oak Academy</u> <u>Weeks 3-5</u> Unit 11. Addition and subtraction facts within 10	Number Facts <u>NCETM Reference (5 weeks – 3 weeks before holiday, 2 weeks after)</u> Unit 9- Unitising and coin recognition <u>Oak Academy</u> <u>Weeks 5-6</u> Unit 14. Unitising and coin recognition- counting in 2s, 5s and 10s4	Other <u>NCETM Reference (1 week)</u> Unit 10- Position and Direction <u>Oak Academy</u> <u>Week 3</u> Unit 17. Position and direction including fraction of turns
		Geometry <u>NCETM Reference (3 weeks – 2 before Christmas, one after)</u> Unit 4. Recognise, compose, decompose and manipulate 2D and 3D shapes <u>Oak Academy</u> <u>Weeks 6-7</u> Unit 7. Recognise, compose, decompose and manipulate 2D and 3D shapes	Addition & Subtraction <u>NCETM Reference (4 weeks – 2 weeks before holiday, two after)</u> Unit 6. Additive Structures <u>Oak Academy</u> <u>Week 5-6</u> Unit 9. Additive Structures: Addition	Other <u>NC additional sessions</u> <u>Week 6 - Fractions NC Objectives</u> <i>Can use Focus Resources</i>	Other <u>Week 7</u> Unit 15 (part 1). Unitising and coin recognition- value of a set of coins Unit 16. Solving problems in a range of contexts	Other <u>NCETM Reference (2 weeks)</u> Unit 11- Time <u>Oak Academy</u> <u>Weeks 4-5</u> Unit 18. Time- sequencing events and telling the time to the hour and half hour
						Other <u>NC additional sessions</u> <u>Weeks 6 - Practical Measuring Capacity/Volume/weights lessons</u> <i>Can use Focus Resources</i>
	PiXL 'Securing the Fundamentals' & 'Therapies' Additional 20-minute daily session Suggested Focus					

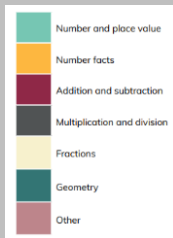
	MASTERING NUMBER Y1 – See LT Overview					
	2D & 3D Shape (Fri)	Time (Fri)		Time	2D & 3D Shape (Fri)	Week 7
	Week 7 measure and begin to record the following: lengths and heights <i>Focus Resources</i>	Week 7 measure and begin to record the following: mass/weight <i>Focus Resources</i>			Week 7 measure and begin to record the following: capacity and volume <i>Focus Resources</i>	Fractions review - recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity - recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity <i>Focus Resources</i>

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year Two	Key Documents: NCETM / Oak Units (outlined below)/ Mastering Number Year Two (See Mastering Number LT Plan) Additional 20-minute daily session					
	Number & Place Value <u>NCETM Reference (4 weeks)</u> Unit 1 - Numbers 10 – 100 <u>Oak Academy Weeks 1-2</u> Unit 1. Composition of multiples of 10 <u>Week 3</u> Unit 2. Counting and representing the numbers 20 – 99 <u>Week 4</u> Unit 3. Comparing, ordering and partitioning 2-digit numbers	Addition and Subtraction <u>NCETM Reference (3 weeks – 2 weeks before the holiday, one after)</u> Unit 2 - Calculations within 20 <u>Oak Academy Week 1</u> Unit 5. (part 2) Calculating within 20	Multiplication and Division <u>NCETM Reference (7 weeks – 3 weeks before the holiday, 4 weeks after)</u> Unit 5 - Introduction to multiplication <u>Oak Academy Week 1</u> Unit 8. Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times table (part 2) <u>Weeks 2-3</u> Unit 9. Representing counting in 5s as the 5 times table and link to the 10 times table <u>Week 4</u> Unit 10. Multiplying by 2 doubling and halving (factors and products)	Geometry <u>NCETM Reference (2 weeks)</u> Unit 7 - Shape <u>Oak Academy Weeks 1-2</u> Unit 12. Discuss and compare 2D and 3D shapes	Other <u>NCETM Reference (2 weeks)</u> Unit 10 - Fractions <u>Oak Academy Weeks 1-2</u> Unit 15. Fractions: Identify equal parts and be familiar with thirds, halves and quarters	Multiplication and Division <u>NCETM Reference (3 weeks)</u> Unit 13 - Doubling and halving quotative and partitive division <u>Oak Academy Weeks 1-3</u> Unit 18. Doubling and halving quotative and partitive division
	Number Facts <u>NCETM Reference (1 week)</u> Unit 3 - Fluently add and subtract within 10 <u>Oak Academy Week 5</u> Unit 4. Secure fluency of addition and subtraction facts within 10	Addition and Subtraction <u>NCETM Reference</u> Unit 4 - Addition and subtraction of 2-digit numbers (2 weeks but have 3 to cover and / or consolidate) <u>Oak Academy Weeks 2-4</u> Unit 6. Adding and subtracting ones and tens to and from 2 digit numbers	Multiplication and Division <u>NCETM Reference (2 weeks)</u> Unit 6 - Introduction to division structures <u>Oak Academy Weeks 5-6</u> Unit 11. Introduction to division structures	Addition and Subtraction <u>NCETM Reference (3 weeks)</u> Unit 8 – Addition and subtraction of two-digit numbers (2) <u>Oak Academy Weeks 3-5</u> Unit 13. Addition and subtraction of 2-digit numbers	Other <u>NCETM Reference (1 week)</u> Unit 11 -Time <u>Oak Academy Week 3</u> Unit 16. Time: write and tell the time to five minutes	Other <u>NCETM Reference (2 weeks)</u> Unit 14- Sense of measure - capacity, volume, mass <u>Oak Academy Weeks 4-5</u> Unit 19. Sense of measure - capacity, volume, mass
	Addition and Subtraction <u>NCETM Reference (3 weeks – 2 weeks before the holiday, one after)</u> Unit 2 - Calculations within 20 <u>Oak Academy Weeks 6-7</u> Unit 5. (part 1) Calculating within 20	Multiplication and Division <u>NCETM Reference (7 weeks – 3 weeks before the holiday, 4 weeks after)</u> Unit 5 - Introduction to multiplication <u>Oak Academy Weeks 5-6</u> Unit 7. Grouping Objects in different ways and relating to multiplication <u>Week 7</u> Unit 8. Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times table (part 1)	Multiplication and Division <u>NCETM Reference (2 weeks)</u> Unit 6 - Introduction to division structures <u>Oak Academy Weeks 5-6</u> Unit 11. Introduction to division structures	Other <u>NCETM Reference (1 week)</u> Unit 9 Money <u>Oak Academy Week 6</u> Unit 14. Recognise coins and use £ and p symbols	Other <u>NCETM Reference (1 week)</u> Unit 12 Position and Direction <u>Oak Academy Week 4</u> Unit 17. Position and Direction <u>NC additional sessions Weeks 5-6 – Statistics (2 weeks)</u> Can use Focus Resources <u>Week 7 – Revisit & Consolidate</u>	Other <u>Week 6 –Revisit & Consolidate (suggestion – geometry)</u>

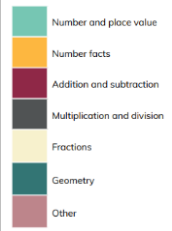
PiXL 'Securing the Fundamentals' & 'Therapies' Additional 20-minute daily session Suggested Focus

MASTERING NUMBER Y1 – See LT Overview

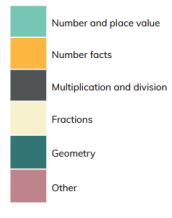
	Geometry (Fri) Week 7 Statistics 1 - interpret and construct simple pictograms, tally charts, block diagrams and tables - ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity - ask-and-answer questions about totalling and comparing categorical data <i>Focus Resources</i>	Time (Fri) Week 7 Measures: Length & Height	Volume Measures: Mass Money <i>(Revisiting counting in coin steps & coin values ahead of NCETM unit – use Y1 Focus materials as a check / Y2 pre-learning check)</i>	Time Measures: Capacity	Geometry (Fri) Number Facts Multiplication & Division	Statistics 2 - interpret and construct simple pictograms, tally charts, block diagrams and tables - ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity - ask-and-answer questions about totalling and comparing categorical data <i>Focus Resources</i>
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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1 (7)	Summer 2 (6)
Year Three	Key Documents: NCETM / Oak Units (outlined below)/ PiXL ‘Securing the Fundamentals’ & ‘Therapies Additional 20-minute daily session					
	Addition and Subtraction & Number Facts <u>NCETM Reference (2 weeks)</u> Unit 1 - adding and subtracting across 10 <u>Oak Academy Weeks 1-2</u> Unit 1. Review strategies for adding and subtracting across 10	Number & Place Value, Addition & Subtraction, Number Facts <u>NCETM Reference (10 weeks – 5 before the holiday, 5 weeks after)</u> Unit 2 - Numbers to 1000 <u>Oak Academy Weeks 1-3</u> Unit 5. Representing 3-digit numbers - comparing and positioning on number lines <u>Weeks 4-5</u> Unit 6. Measures: mass and capacity	Addition & Subtraction <u>NCETM – Reference (4 weeks)</u> Unit 4 - Manipulating the additive relationship and securing mental calculation <u>Oak Academy Weeks 1-2</u> Unit 8. Informal mental strategies for adding and subtracting two three digit numbers <u>Weeks 3-4</u> Unit 9. Understand additive relationships and apply them to rearrange equations	Multiplication and Division & Number Facts <u>NCETM Reference (3 weeks)</u> Unit 6 - 2, 4, 8 times tables <u>Oak Academy Weeks 1-3</u> Unit 11. 2, 4, 8 times tables: using times tables to solve problems	Fractions <u>NCETM Reference (5 weeks – 2 weeks before the holiday, 3 weeks after)</u> Unit 8 - Unit Fractions <u>Oak Academy Week 1</u> Unit 14. Identify parts and wholes in different contexts <u>Week 2</u> Unit 15. Compare and order unit fractions <u>Week 3</u> Unit 16. Calculate the value of a part – fractions as operators	Fractions <u>NCETM Reference (4 weeks)</u> Unit 9 - Non- Unit Fractions <u>Oak Academy Week 1-2</u> Unit 17. Non unit fractions <u>Weeks 3-4</u> Unit 18. Composition of non-unit fractions: addition and subtraction
	Number & Place Value, Addition & Subtraction, Number Facts <u>NCETM Reference (10 weeks – 5 before the holiday, 5 weeks after)</u> Unit 2 - Numbers to 1000 <u>Oak Academy Week 3-4</u> Unit 2. Securing place value to 100 and applying to addition and subtraction <u>Week 5</u> Unit 3. Bridging 100 counting on and back in 10s adding/subtracting multiples of 10 <u>Weeks 6-7</u> Unit 4. Measuring length	Geometry <u>NCETM Reference (2 weeks)</u> Unit 3- Right Angles <u>Oak Academy Weeks 6-7</u> Unit 7. Right angles	Addition and Subtraction <u>NCETM Reference (2 weeks)</u> Unit 5 - Column Addition <u>Oak Academy Weeks 5-6</u> Unit 10. Column Addition	Addition and Subtraction <u>NCETM Reference (1week)</u> Unit 7 - Column Subtraction <u>Oak Academy Week 4</u> Unit 12. Column Subtraction	Geometry <u>NCETM Reference (2 weeks)</u> Unit 10 - Parallel and perpendicular sides in polygons <u>Oak Academy Weeks 4-5</u> Unit 19. Parallel and perpendicular sides in polygons	Other <u>NC additional sessions Week 5 –Statistics</u> <i>Can use Focus Resources</i>
				Fractions <u>NCETM Reference (5 weeks – 2 weeks before the holiday, 3 weeks after)</u> Unit 8 - Unit Fractions <u>Oak Academy Weeks 5-6</u> Unit 13. Unit fractions as part of a whole	Other <u>NCETM Reference (1 week)</u> Unit 11- Time <u>Oak Academy Week 6</u> Unit 20. Tell the time to the nearest minute and compare units of time Other <u>Week 7–Revisit & consolidate</u>	Other <u>Week 6 –Shape / Perimeter</u> <i>Can use Focus Resources</i>
	PiXL ‘Securing the Fundamentals’ & ‘Therapies’ Additional 20-minute daily session Suggested Focus					

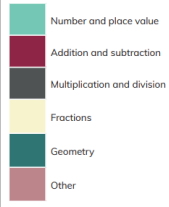
	Securing the Fundamentals – Place Value (Year 3) read and write numbers up to 1,000 in numerals and in words	Securing the Fundamentals – Addition & Subtraction (Year 3) 2D shape review & measure the perimeter of simple 2-D shapes	Securing the Fundamentals – Multiplication & Division (Year 3) Time	Securing the Fundamentals – Fractions (Year 3) 3D Shapes review & make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	Therapies	Therapies Statistics: ▪ 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
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	Autumn 1 (7)	Autumn 2 (7)	Spring 1 (6)	Spring 2 (6)	Summer 1 (7)	Summer 2 (6)
Year Four 	Key Documents: NCETM / Oak Units (outlined below)/ PiXL ‘Securing the Fundamentals’ & ‘Therapies Additional 20-minute daily session					
	<u>Addition and Subtraction</u> NCETM Reference (3 weeks – additional week on Oak) Unit 1 - Review of column addition and subtraction Oak Academy Weeks 1-3 Unit 1. Review of column addition and subtraction Week 4 Unit 2. Secure place value to 1000: apply to addition and subtraction: multiples of 100	<u>Geometry</u> NCETM Reference (2 weeks) Unit 3 - Perimeter Oak Academy Weeks 1-2 Unit 6. Perimeter find the area of rectilinear shapes by counting squares	<u>Multiplication and Division</u> NCETM Reference (2 weeks) Unit 5 - 7 times table and patterns Oak Academy Week 1-2 Unit 11. 7 times table: odd and even numbers, square numbers, tests of divisibility	<u>Multiplication and Division</u> NCETM Reference (5 weeks – 4 before holiday, 1 week after) Unit 6 - Understanding and manipulating multiplicative relationships Oak Academy Week 1 Unit 14 (Part 2) Understand what happens when a number is multiplied or divided by 10 or 100	<u>Fractions</u> NCETM Reference (5 weeks – 2 before holiday, 3 weeks after) Unit 9 - Fractions greater than 1 Oak Academy Week 1 Unit 19. Addition and subtraction of fractions and mixed numbers (within a whole) Week 2 Unit 20. Convert improper fractions to mixed numbers and vice versa Week 3 Unit 21. Efficient strategies for adding and subtracting mixed numbers (crossing a whole)	<u>MD: Multiplication and Division (WK 1-2)</u> NCETM Reference (2 weeks) Unit 12 - Division with remainders Oak Academy Weeks 1-2 Unit 25. Division with remainders
	<u>Number & Place Value</u> NCETM Reference (3 weeks) Unit 2- Numbers to 10,000 Oak Academy Week 5 Unit 3. Calculation and conversion of measures Week 6 Unit 4. Comparing ordering and rounding 4 d4-digitmbers Week 7 Unit 5. Column addition and subtraction with 4 d4-digitmbers	<u>Multiplication and Division</u> NCETM Reference (4 weeks) Unit 4 - 3, 6, 9 times table Oak Academy Week 3 Unit 7. Representing counting in 3s and 6s as the 3 and 6 times table Week 4 Unit 8 . Relationships between the 3 and 6 times tables: tests of divisibility Week 5 Unit 9 . Represent counting in 9s as the 9 times table Week 6 Unit 10. Relationship between the 3 and 9 times table	<u>Multiplication and Division</u> NCETM Reference (5 weeks – 4 before holiday, 1 week after) Unit 6 - Understanding and manipulating multiplicative relationships Oak Academy Week 3 Unit 12. Understand and represent multiplicative structures Week 4 Unit 13. Apply the distributive law to multiplication Weeks 5-6 Unit 14. Understand what happens when a number is multiplied or divided by 10 or 100	<u>Geometry</u> NCETM Reference (2 weeks) Unit 7 - Co-ordinates Oak Academy Weeks 2-3 Unit 15. Co-ordinates	<u>Geometry</u> NCETM Reference (2 weeks) Unit 10 - Symmetry in 2D shapes Oak Academy Weeks 4-5 Unit 22. Properties of 2D and 3D shapes and symmetry	<u>Other</u> Week 3&4 – Decimals Recognise and write decimal equivalents to $\frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ - find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths - round decimals with 1 decimal place to the nearest whole number <i>Can use Focus Resources</i>
				<u>Fractions</u> NCETM Reference (1 week) Unit 8 - Review of Fractions Oak Academy Week 4 Unit 16. Review of fractions	<u>Other</u> NCETM Reference (1 week) Unit 11 - Time Oak Academy Week 6 Unit 24. Time: Convert between 12- and 24-hour clocks: analogue and digital	<u>Other</u> Week 5 – Statistics - interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs - solve comparison, sum and difference problems using

						information presented in bar charts, pictograms, tables and other graphs <i>Can use Focus Resources</i>
		<u>Other</u> Week 7– Roman Numerals <i>Can use Focus Resources</i>		<u>Fractions</u> NCETM Reference (5 weeks – 2 before holiday, 3 weeks after) Unit 9 - Fractions greater than 1 Oak Academy Week 5 Unit 17. Composition of fractions greater than one Week 6 Unit 18. Compare and order mixed numbers and position on a number line	<u>Other</u> Week 7–Revisit & consolidate Place Value & Count backwards through negative numbers <i>Can use Focus Resources</i>	<u>Other</u> Week 6 Extra unit no NCETM Reference Oak Academy Week 6 Unit 23. Money: apply efficient strategies when calculating with money
		PiXL ‘Securing the Fundamentals’ & ‘Therapies’ Additional 20-minute daily session Suggested Focus				
	Securing the Fundamentals – Place Value (Year 4) Geometry	Securing the Fundamentals – Addition & Subtraction (Year 4) Measures (conversion)	Securing the Fundamentals – Fractions (Year 4) Time	Securing the Fundamentals – Multiplication & Division (Year 4) count in multiples of 6, 7, 9, 25 and 1,000	Therapies identify acute and obtuse angles and compare and order angles up to 2 right angles by size (Focus materials)	Therapies

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year Five	Key Documents: NCETM / Oak Units (outlined below)/ PiXL 'Securing the Fundamentals' & 'Therapies Additional 20-minute daily session'					
	<u>Number & Place Value, Number Facts, Other</u> <u>NCETM Reference (5 weeks)</u> Unit 1 - Decimal Fractions <u>Oak Academy</u> <u>Week 1</u> Unit 1. Understand tenths as parts of a whole, represent and calculate mentally <u>Week 2</u> Unit 2. Compose and calculate with decimals including column addition and subtraction <u>Week 3</u> Unit 3. Understand hundredths as part of a whole and represent <u>Week 4</u> Unit 4. Use knowledge of decimals to solve problems in different contexts: length <i>Use LBQ to relate to percentage equivalence</i>	<u>Multiplication and Division</u> <u>NCETM Reference</u> Unit 4 - Short multiplication and short division <u>Week 1-2</u> Unit 8. Multiplication by partitioning leading to short multiplication (3-digit by 1-digit) <u>Week 3-4</u> Unit 9. Division by partitioning leading to short division (2 and 3-digit by 1 digit)	<u>Geometry</u> <u>NCETM Reference (5 weeks)</u> Unit 5 - Area and Scaling <u>Oak Academy</u> <u>Week 1</u> Unit 10. Understand the concept of area <u>Weeks 2-3</u> Unit 11. Link area of rectangles to multiplication <u>Week 4</u> Unit 12. Compare and describe measurements using knowledge of multiplication and division Perimeter activities using LBQ	<u>Multiplication & Division</u> <u>NCETM Reference</u> Unit 6 - Calculating with decimal fractions <u>Oak Academy (3 weeks – 1 week before the holiday, 2 weeks after)</u> <u>Week 1-2</u> Unit 13. Calculating with decimal fractions L1-5	<u>Fractions</u> <u>NCETM Reference (7 weeks)</u> Unit 8 - Fractions <u>Weeks 1-2</u> 21. Comparing fractions using equivalence and decimals Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction	<u>Number & Place Value & Other</u> <u>NCETM Reference (2 weeks)</u> Unit 9 - Converting Units <u>Oak Academy</u> <u>Week 1-2</u> Unit 22. Converting units
		<u>Number & Place Value</u> <u>NCETM Reference (2 weeks)</u> Unit 3 - Negative Numbers <u>Oak Academy</u> <u>Week 5</u> Unit 6. Negative numbers	<u>Week 5</u> Addition & Subtraction (Focus) - add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) - add and subtract numbers mentally with increasingly large numbers - use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy - solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why <i>Can use Focus Resources</i>		<u>Multiplication and Division</u> <u>NCETM Reference</u> Unit 7 - Factors, Multiples and Primes <u>Oak Academy</u> <u>Week 3</u> Unit 14. Understand the concept of volume <u>Week 4-5</u> Unit 15. Multiply 3 or more numbers (commutative and associative laws) <u>Week 6</u> 16. Understand and use the concept of factorisation (square and prime numbers) <u>Week 7</u> 17. Use common factors and multiples to solve calculations efficiently	<u>Geometry & Other</u> <u>NCETM Reference (3 weeks)</u> Unit 10 - Angles <u>Oak Academy</u> <u>Weeks 3-5</u> Unit 23. Angles: Compare, name, estimate, measure angles

	<u>Multiplication and Division</u> <u>NCETM Reference</u> Unit 4 - Short multiplication and short division <u>Oak Academy</u> <u>Week 5-6</u> Unit 7. Multiplication by partitioning leading to short multiplication (2-digit by 1-digit)	<u>Number & Place Value</u> <u>NCETM Reference (2 weeks)</u> Unit 2 – Money <u>Week 2 -3</u> Unit 5 Money: applying efficient strategies when calculating money	<u>Multiplication & Division</u> <u>NCETM Reference</u> Unit 6 - Calculating with decimal fractions <u>Oak Academy (3 weeks – 1 week before the holiday, 2 weeks after)</u> <u>Week 6</u> Unit 13. Calculating with decimal fractions L1-5	<u>Fractions</u> <u>NCETM Reference (7 weeks)</u> Unit 8 - Fractions <u>Oak Academy</u> <u>Week 3</u> Unit 18. Multiply a proper fraction by a whole number <u>Week 4</u> 19. Multiply improper fractions and mixed numbers by a whole number <u>Week 5</u> 20. Find unit and non-unit fractions of whole numbers exploring parts and wholes		<u>Week 6</u> Statistics • solve comparison, sum and difference problems using information presented in a line graph • complete, read and interpret information in tables, including timetables <i>Can use Focus Resources</i>
PiXL ‘Securing the Fundamentals’ & ‘Therapies’ Additional 20-minute daily session Suggested Focus						
	Securing the Fundamentals – Place Value (Year 5) round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000 Geometry - identify 3-D shapes, including cubes and other cuboids, from 2-D representations	Securing the Fundamentals – Addition & Subtraction (Year 5) Measures (conversion)	Securing the Fundamentals – Fractions (Year 5) Time (months, years etc) Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed	Securing the Fundamentals – Multiplication & Division (Year 5) Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, <u>including long multiplication</u> for two-digit numbers	Therapies Money in context Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals (Focus Resources)	Therapies Time (Analogue & digital) Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year Six 	Key Documents: NCETM / Oak Units (outlined below)/ PiXL Therapies Additional 20-minute daily session					
	<u>Number and Place Value</u> <u>NCETM Reference (4 weeks)</u> Unit 3 - Numbers up to 10,000,000 <u>Oak Academy</u> <u>Week 1</u> Unit 5. Understand place value in numbers with up to 7 digits <u>Weeks 2</u> Unit 6. Order compare and calculate with numbers up to 8 digits <u>Week 3</u> Unit 7. Rounding and solving problems with numbers up to 7 digits <u>Touch on order of operations here</u>	<u>Other</u> <u>NCETM Reference (2 weeks – 1 week before the holiday, 1 week after)</u> Unit 2 - Multiples of 1000 <u>Oak Academy</u> <u>Week 1</u> Unit 4. Multiples of 1000 (Part 2) <i>This may be able to condense this depending on cohort</i>	<u>Fractions & Other</u> <u>NCETM Reference</u> Unit 7 - Fractions and Percentages <u>Week 1-3</u> 15. Understanding percentages fractions and decimals	<u>Addition and Subtraction & Multiplication & Division</u> <u>NCETM Reference (2 weeks)</u> Unit 9 - Ratio and Proportion <u>Oak Academy</u> <u>Weeks 1-2</u> Unit 17. Ratio and proportion <u>Addition and Subtraction & Multiplication & Division</u> <u>NCETM Reference (1 week)</u> Unit 10 – Calculating using knowledge of structures (2) <u>Oak Academy</u> <u>Week 3</u> Unit 18. Calculating using knowledge of equivalence in addition and subtraction	<u>Other</u> <u>NCETM Reference (1 week)</u> Unit 8 - Statistics <u>Week 1</u> Unit 16. Statistics Unit 13 Mean average (<i>mean, mode, median & range</i>) <u>SATS REVISION</u> <u>Week 2-3</u> Ensure you cover Time <u>SATS</u> <u>Week 4</u>	<u>Addition and Subtraction & Multiplication and Division</u> <u>NCETM Reference (2 weeks)</u> Unit 11 Solving problems with two unknowns <u>Week 1-2</u> <u>Oak Academy</u> Unit 19. Solving problems with two unknowns
	<u>Addition and Subtraction & Multiplication and Division</u> <u>NCETM Reference (6 weeks)</u> Unit 1 – Calculating using knowledge of structures <u>Oak Academy</u> <u>Weeks 4</u> Unit 1. Using knowledge of part-part-whole structure to solve additive problems <u>Weeks 5</u> Unit 2. Use equivalence and compensation to simplify and solve addition calculations <u>Weeks 6-7</u> Unit 3. Use equivalence and compensation to solve subtraction problems.	<u>Multiplication and Division & Other</u> <u>NCETM Reference (4 weeks)</u> Unit 5 - Multiplication and Division <u>Oak Academy</u> <u>Week 1</u> Unit 9 Using Equivalence to Calculate <u>Weeks 2-4</u> Unit 10. Multiplying and dividing by 2-digit numbers	<u>Geometry</u> <u>NCETM Reference (2 weeks)</u> Unit 4 - Draw, compose and decompose shapes <u>NCETM Reference</u> Unit 6 - Area, Perimeter, position and direction <u>Oak Academy</u> <u>Week 4 - 5</u> Unit 8. Draw, compose and decompose shapes Unit 11. Area, Perimeter, position and direction	<u>Other</u> Circles / Pie Charts / Area <i>Can use Focus Resources</i>	<u>Addition and Subtraction & Multiplication and Division</u> <u>NCETM Reference (2 weeks)</u> Unit 11 Solving problems with two unknowns <u>Week 1-2</u> <u>Oak Academy</u> Unit 19. Solving problems with two unknowns	

	<u>Other</u> <u>NCETM Reference (2 weeks – 1 week before the holiday, 1 week after)</u> Unit 2 - Multiples of 1000 <u>Oak Academy Week 7</u> Unit 4. Multiples of 1000 (Part 1)	<u>Fractions & Other</u> <u>NCETM Reference</u> Unit 7 - Fractions and Percentages <u>Oak Academy Week 5</u> Unit 12 Addition and Subtraction of Fractions <u>Week 5</u> Unit 13. Comparing fractions <u>Week 6</u> Unit 14. Multiplication and division of fractions	<u>Other</u> <u>Algebra</u>	<u>Geometry & Other</u> <u>NCETM Reference (1 weeks)</u> Unit 10 - Angles <u>Oak Academy Week 5</u> Unit 23. Angles: Compare, name, estimate, measure angles <u>This unit is from the Y5 prioritisation materials to ensure coverage.</u>		
	Ideas for Additional 20-minute daily session <i>*This is a suggested journey and what is missing from units. However, you will need to use QLAs from PiXL - which are the biggest issues for your cohorts?</i>					
	<u>Properties of Shape</u> compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles use negative numbers in context, and calculate intervals across 0 identify common factors, common multiples and prime numbers <i>Can use Focus Resources</i>	<u>Volume and conversion of measures</u> identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places multiply one-digit numbers with up to 2 decimal places by whole numbers use written division methods in cases where the answer has up to 2 decimal places <i>Can use Focus Resources</i>	<u>NCETM Reference</u> Unit 12 - Order of Operations <u>Oak Academy</u> Unit 20. Order of operations	<u>NCETM Reference</u> Unit 13 – Mean Average <u>Oak Academy</u> Unit 21 Mean Average	Therapies	Therapies