Maths – Yearly Whole School Overview

Notes:
- Colours mark out Year Groups instead of Strands
- Y1-6: Units are taken from Oak Academy, whose design has been inspired by the NCETM Materials (following the Curriculum Prioritisation sequence of learning). ***KS1-2 maths curriculum unit sequence | Oak National Academy***
Oak Maths - Primary - 24-04-2025.docx - Google Docs
- Reception Units are taken from Mastering Number, which is aligned with the same principles as Oak Academy and NCETM Materials (being a NCETM project). ***mastering-number-reception-weekly-overview.pdf - Google Drive***
mastering-number-reception-overview - Google Docs

AUTUMN 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
R	**Baseline** **Week 1: Subitising within 3** **Week 2: Counting skills**		**Explore composition of numbers within 5** **Week 3: Composition: explore how all numbers are made of 1s. Composition of 3 and 4** **Week 4: Subitise objects and sounds** **Week 5: Comparison of sets- 'just by looking'. Language of comparison (more than, fewer than)** **Week 6: Counting the 'five-ness' of 5, using one hand and the die pattern for 5** **Week 7: Comparison of sets by matching. Language of comparison (more than, fewer than, an equal number)**				
Y1	***Previous Reception experiences and counting within 100*** **Unit 1: Counting, recognising and comparing numbers 0 – 10 (15 lessons)** **Unit 2: Counting to and from 20 (10 lessons)** **Unit 3: Counting in tens – decade numbers (5 lessons)** **Unit 4: Pattern in counting from 20 to 100 (5 lessons)**					**Comparison of quantities and part-whole relationships** **Unit 5: Comparing quantities – part part whole relationships (15 lessons)**	
Y2	**Numbers 10 to 100 / Place Value** **Unit 1: Composition of multiples of 10 (10 lessons)** **Unit 2: Counting and representing the numbers 20 to 99 (5 lessons)** **Unit 3: Comparing, ordering and partitioning 2 digit numbers (5 lessons)** **Unit 4: Secure fluency of addition and subtraction facts within 10 (5 lessons)**					**Calculations within 20** **Unit 5: Calculating within 20 (15 lessons)**	
Y3	**Adding and subtracting across 10** **Unit 1 (10 lessons)**		**Numbers to 1,000 / Measures** **Unit 2: Securing place value to 100 and applying to addition and subtraction (10 lessons)** **Unit 3: Bridging 100: counting on and back in 10s, adding/subtracting multiples of 10 (5 lessons)** **Unit 4: Measuring length and recording in tables (10 lessons)**				
Y4	**Roman Numerals** **(Romans topic link: 5 lessons)**	**Addition and Subtraction** **Unit 1: Review of column addition and subtraction (15 lessons)**		**Place Value: Numbers to 10,000** **Unit 2: Secure place value to 1000: apply to addition and subtraction of multiples of 100 (5 lessons)** **Unit 3: Calculation and conversion of measures (5 lessons)** **Unit 4: Comparing, ordering and rounding 4-digit numbers (5 lessons)**			
Y5	**Place Value and Decimal Fractions** **Unit 1: Understand tenths as part of a whole, represent and calculate mentally (5 lessons)** **Unit 2: Compose and calculate with decimals including column addition and subtraction (5 lessons)** **Unit 3: Understand hundredths as parts of a whole and represent (5 lessons)** **Unit 4: Use knowledge of decimals to solve problems in different contexts – length (10 lessons)**					**Negative Numbers** **Unit 5 (10 lessons)**	
Y6	**Calculating using knowledge of structures (1)** **Unit 1: Use knowledge of part-part-whole structure to solve additive problems (10 lessons)** **Unit 2: Use equivalence and compensation to simplify and solve addition calculations (10 lessons)** **Unit 3: Use equivalence and compensation to simplify and solve subtraction problems (10 lessons)**					**Multiples of 1000** **Unit 4 (10 lessons)**	

Maths – Yearly Whole School Overview

AUTUMN 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
R	**Explore composition of number to 5** **Week 8: Composition: explore the concept of 'whole' and 'part'** **Week 9: Composition: focus on the composition of 3, 4 and 5** **Week 10: Practise object counting skills. Match numerals to quantities within 10. Verbal counting beyond 20.** **Week 11: Subitize within 5 focusing on die patterns. Match numerals to quantities within 5.** **Week 12: Counting: focus on the ordinality and the 'staircase' pattern. See that each number is one more than the previous number.** **Week 13: Composition: focus on 5** **Week 14: Composition: focus on 6 and 7 as '5 and a bit'**						
Y1	**Comparison of quantities and part-whole relationships** **Unit 5: Comparing quantities – part part whole relationships Continued**	**Numbers 0 – 5** **Unit 6: Composition of numbers 0 – 5 (10 lessons)**		**Recognise, compose, decompose and manipulate 2D and 3D shapes** **Unit 7: Recognise, compose, decompose and manipulate 2D and 3D shapes (15 lessons)**			**Numbers 0 – 10** **Unit 8: Composition of numbers 6 – 10 (15 lessons)**
Y2	**Unit 5 continued**	**Addition and subtraction of two-digit numbers (Part 1)** **Unit 6: Adding and subtracting ones and tens to and from 2-digit numbers (15 lessons)**			**Multiplication: Introduction to multiplication** **Unit 7: Grouping objects in different ways and relating to multiplication (10 lessons)** **Unit 8: Representing counting in 2s, 5s and 10s as the 2, 5 and 10 times table (10 lessons)**		
Y3	**Numbers to 1,000 / Measures continued** **Unit 5: Representing 3-digit numbers, comparing and positioning on number lines (15 lessons)** **Unit 6: Measures: mass and capacity (10 lessons)**					**Right Angles** **Unit 7 (10 lessons)**	
Y4	**Place Value: Numbers to 10,000** **Unit 5: Column addition and subtraction with 4-digit numbers (5 lessons)**	**Perimeter** **Unit 6 (10 lessons)**		**Multiplication** **3, 6, 9 times tables** **Unit 7: Represent counting in threes and sixes as the 3 and 6 times tables (5 lessons)** **Unit 8: Relationship between the 3 and 6 times tables and tests of divisibility (5 lessons)**		**Multiplication** **9 times table** **Unit 9: Represent counting in nines as the 9 times table (5 lessons)** **Unit 10: Relationship between the 3 and 9 times tables (5 lessons)**	
Y5	**Short Multiplication and Short Division** **Unit 6: Multiplication by partitioning leading to short multiplication (2 by 1 digit) (10 lessons)** **Unit 7: Multiplication by partitioning leading to short multiplication (3 by 1 digit) (5 lessons)** **Unit 8: Division by partitioning leading to short division (2 and 3 digits by 1 digit) (15 lessons)**					**Area and Scaling** **Unit 9: Understand the concept of area (5 lessons)**	
Y6	**Numbers up to 10,000,000** **Unit 5: Understand place value within numbers with up to 7 digits (5 lessons)** **Unit 6: Order, compare and calculate with numbers up to 8 digits (10 lessons)** **Unit 7: Rounding and solving problems with numbers up to 7 digits (5 lessons)**				**Draw, compose and decompose shapes** **Unit 8 (10 lessons)**		**Multiplication** **Unit 9: Use equivalence to calculate (5 lessons)**

Maths – Yearly Whole School Overview

SPRING 1						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
R	**Continue to explore the structure and composition of numbers to 7** **Identify equal and unequal groups to doubles** **Week 15: Composition: compare sets and use the language of comparison (more than, fewer than, an equal number to). Make unequal sets equal.** **Week 16: Focus on the 'staircase' pattern and ordering numbers** **Week 17: Focus on ordering numbers to 8. Use language of less than.** **Week 18: Composition: focus on 7** **Week 19: Composition: doubles – explore how some numbers can be made with 2 equal parts** **Week 20: Composition: sorting number according to attributes – odd and even numbers**					
Y1	**Numbers 0 – 10** **Unit 8: Composition of numbers 6 – 10 (15 lessons) continued**		**Additive structures** **Unit 9: Additive structures (10 lessons)** **Unit 10: Additive structures: addition and subtraction (10 lessons)** **Addition and subtraction facts within 10, (doubling)**			
Y2	**Multiplication: Introduction to multiplication** continued **Unit 8 continued** **Unit 9: Representing counting in 5s as the 5 times table and link to the 10 times table (10 lessons)** **Unit 10: Multiply by 2, doubling and halving (factors and products) (5 lessons)**				**Division: Introduction to division structures** **Unit 11 (10 lessons)**	
Y3	**Manipulating the additive relationship and securing mental calculation** **Unit 8: Informal and mental strategies for adding and subtracting two 3 digit numbers (10 lessons)** **Unit 9: Understanding additive relationships and apply them to rearrange equations (10 lessons)**				**Column addition** **Unit 10 (10 lessons)**	
Y4	**Multiplication** **7 times table** **Unit 11: 7 times table: odd and even patterns, square numbers and tests of divisibility (10 lessons)**		**Understanding and manipulating multiplicative relationships** **Unit 12: Understand and represent multiplicative structures (5 lessons)** **Unit 13: Apply the distributive law to multiplication (5 lessons)** **Unit 14: Understand what happens when a number is multiplied or divided by 10 and 100 (15 lessons)**			
Y5	**Area ad Scaling** **Unit 10: Link area of rectangles to multiplication (10 lessons)** **Unit 11: Compare and describe measurements using knowledge of multiplication and division (10 lessons)**				**Calculating with Decimal Fractions** **Unit 12 (15 lessons)**	
Y6	**Multiplication (continued) and Division** **Unit 10: Multiplying and dividing by 2-digit numbers (15 lessons)**			**Area, perimeter, position and direction** **Unit 11 (10 lessons)**		**Statistics** **Unit 16 (5 lessons)**

Maths – Yearly Whole School Overview

SPRING 2						
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
R	**Continue to explore the structure and composition of numbers beyond 5 up to 10** **Week 21: Counting: larger sets and things that cannot be seen** **Week 22: Subitising – to 6, including in structured arrangements** **Week 23: Composition '5 and a bit'** **Week 24: Composition of 10** **Week 25: Comparison: linked to ordinality. Play track games.** **Week 26: Subitise to 5. Introduce the Rekenrek.**					
Y1	**Addition and subtraction facts within 10, (doubling)** **Unit 11: Addition and subtraction facts within 10 (15 lessons)**			**Numbers to 20 and Measures (lengths and heights)** **Unit 12: Composition of numbers 11 to 19 (10 lessons)** **Unit 13: Numbers 0 to 20 in different contexts (10 lessons)**		
Y2	**Shape** **Unit 12: Discuss and compare 2D and 3D shapes (10 lessons)**		**Addition and subtraction of two-digit numbers (Part 2)** **Unit 13: Addition and subtraction of two 2-digit numbers (15 lessons)**			**Money** **Unit 14: Money: recognise coins and use £ and p symbols (5 lessons)**
Y3	**Multiplication: 2, 4, 8 times table** **Unit 11: 2, 4 and 8 times table: using times tables to solve problems (15 lessons)**			**Column subtraction** **Unit 12 (5 lessons)**	**Consolidation**	
Y4	**Coordinates** **Unit 15 (10 lessons)**		**Review of fractions** **Unit 16 (5 lessons)**	**Fractions greater than 1** **Unit 17: Composition of fractions greater than one (5 lessons)** **Unit 18: Compare and order mixed numbers and position on a numberline (5 lessons)** **Unit 19: Addition and subtraction of fractions and mixed numbers (within a whole) (5 lessons)**		
Y5	**Calculating with Decimal Fractions** **(Unit 12 continued)**	**Factors, Multiples and Primes** **Unit 13: Understand the concept of volume (5 lessons)** **Unit 14: Multiply 3 or more numbers (commutative and associative laws) (5 lessons)** **Unit 15: Understand and use the concept of factorisation (square and prime numbers) (5 lessons)** **Unit 16: Use common factors and multiples to solve calculations efficiently (5 lessons)**				
Y6	**Fractions and Percentages** **Unit 12: Addition and subtraction of fractions (10 lessons)** **Unit 13: Comparing fractions (5 lessons)** **Unit 14: Multiplication and division of fractions (5 lessons)** **Unit 15: Understanding percentages (10 lessons)**					

Maths – Yearly Whole School Overview

SUMMER 1

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
R	**Counting and number facts focus (up to 10)** **Week 27: Automatic recall of bonds to 5** **Week 28: Composition of numbers to 10** **Week 29: Comparison** **Week 30: Number patterns** **Week 31: Counting**					
Y1	**Unitising and coin recognition (multiples of 2's, 5's, 10's)** **Unit 14: Unitising and coin recognition – counting in 2s, 5s and 10s (10 lessons)** **Unit 15: Unitising and coin recognition – value of a set of coins (10 lessons)**				**Consolidation** **Unit 16: Solving problems in a range of contexts (5 lessons)**	
Y2	**Fractions** **Unit 15: Fractions: identify equal parts and be familiar with halves, thirds and quarters (10 lessons)**		**Time** **Unit 16: Time: write and tell the time to five minutes (5 lessons)**		**Position and direction** **Unit 1: Position and direction (5 lessons)**	
Y3	**Unit fractions** **Unit 13: Unit fractions (10 lessons)** **Unit 14: Identify parts and wholes in different contexts (5 lessons)** **Unit 15: Compare and order unit fractions (5 lessons)** **Unit 16: Calculate the value of a part (fractions as operators) (5 lessons)**				**Non-unit fractions** **Unit 17: Non-Unit fractions (10 lessons)**	
Y4	**Fractions greater than 1** continued **Unit 20: Convert improper fractions to mixed numbers and vice versa (5 lessons)** **Unit 21: Efficient strategies for adding and subtracting mixed numbers (crossing a whole) (5 lessons)**		**Geometry** **Unit 22: Properties of 2D and 3D shapes and symmetry (10 lessons)**		**Money** **Unit 23: Money: apply efficient strategies when calculating with money (10 lessons)**	
Y5	**Fractions** **Unit 17: Multiply a proper fraction by a whole number (5 lessons)** **Unit 18: Multiply improper fractions and mixed numbers by a whole number (5 lessons)** **Unit 19: Find unit and non-unit fractions of whole numbers exploring parts and wholes (10 lessons)** **Unit 20: Comparing fractions using equivalence and decimals (15 lessons)**					
Y6	**KS2 Tests and consolidation**		**Ratio and proportion** **Unit 16 (10 lessons)**			

Maths – Yearly Whole School Overview

SUMMER 2							
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
R	**Counting and number facts focus (beyond 10)** **Review and Assess for consolidation**						
Y1	**Position and direction including fractions of turns** **Unit 17: Position and direction including fractions of turns (5 lessons)**		**Time** **Unit 18: Time – sequencing events and telling time to the hour and half hour (10 lessons)**		**Consolidation**		
Y2	**Multiplication and division – doubling, halving, quotitive and partitive division** **Unit 18: Doubling, halving, quotative and partitive division (15 lessons)**			**Measure – capacity, volume and mass** **Unit 19: Sense of measure – capacity, volume and mass (10 lessons)**		**Consolidation**	
Y3	**Non-unit fractions** continued **Unit 18: Composition of non-unit fractions: addition and subtraction (10 lessons)**		**Parallel and perpendicular sides in polygons** **Unit 19 (10 lessons)**		**Time** **Unit 20: Tell the time to the nearest minute and compare units of time (7 lessons)**		
Y4	**Time** **Unit 24: Convert between 12 and 24 hour clocks: analogue and digital (5 lessons)**		**Division with remainders** **Unit 25 (10 lessons)**		**Consolidation**		
Y5	**Converting Units** **Unit 21 (10 lessons)**			**Angles and Geometry** **Unit 22: Angles: compare, name, estimate and measure angles (15 lessons)**			
Y6	**Calculating using knowledge of structures (2)** **Unit 18 (5 lessons)**		**Solving problems with two unknowns** **Unit 19 (10 lessons)**		**Order of operations** **Unit 20 (5 lessons)**	**Statistics and Mean average** **Unit 21 (5 lessons)**	