Mathematics Curriculum Progression – Year 3

Fluency and Arithmetic

Autumn 1	Autumn 2	Spring 1
Stage 1 – Number Sense (Consolidation) Subitising 1-10 Stage 3 – Number Sense (Consolidation) One More, One Less Two More, Two Less Number Ten Fact Families Five and A Bit Know About Zero Doubles and Near Doubles Number Neighbours 7 Tree and 9 Square Strategy Selection	Stage 3 – Number Sense (Consolidation) Strategy Selection Stage 4 – Number Sense (Consolidation) Ten and A Bit Stage 5 – Number Sense (Consolidation) Make Ten and Then: Addition	Stage 5 – Number Sense (Consolidation) Make Ten and Then: Subtraction More Doubles and Near Doubles Adjusting
Times Tables – 2x, 5x, 10x Addition and subtraction using column method Addition and subtraction of fractions with same denominator	Times Tables – 2x, 5x, 10x, 4x Addition and subtraction using column method Addition and subtraction of fractions with same denominator Multiplication and division strategies – short multiplication and division	Times Tables – 2x, 5x, 10x, 4x, 8x Addition and subtraction using column method Addition and subtraction of fractions with same denominator Multiplication and division strategies – short multiplication and division Fractions of quantities (Unit and non-unit)
Spring 2	**Summer 1**	**Summer 2**
Stage 5 – Number Sense (Consolidation) Adjusting Strategy Selection Stage 6 – Number Sense (Consolidation) Strategy Selection	Times Tables – 2x, 5x, 10x, 4x, 8x, 3x Addition and subtraction using column method Addition and subtraction of fractions with same denominator Multiplication and division strategies – short multiplication and division Fractions of quantities (Unit and non-unit)	Times Tables – 2x, 5x, 10x, 4x, 8x, 3x Addition and subtraction using column method Addition and subtraction of fractions with same denominator Multiplication and division strategies – short multiplication and division Fractions of quantities (Unit and non-unit)
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Ready to Progress Criteria National Curriculum Objective

	Autumn Term 1	Autumn Term 2	Spring 1
	Place Value (3 weeks) ***Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning*** To write numbers in numerals and words To compare and order numbers to 1000. ***Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.*** ***Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.*** To find 10 or 100 more or less than a number. To count in multiples of 50 or 100. ***Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.*** **Addition and Subtraction, (4 weeks)** ***Calculate complements to 100.*** To add/subtract a 3-digit number and ones/tens/hundreds. ***Add and subtract up to three-digit numbers using columnar methods.*** ***Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part–part–whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.*** To estimate an answer to a calculation. To use the inverse operation to check the answer to a calculation.	**Addition and Subtraction, (1 week)** ***Add and subtract up to three-digit numbers using columnar methods.*** To estimate an answer to a calculation. To use the inverse operation to check the answer to a calculation. **Multiplication and Division (3 weeks)** To calculate 2 digit multiplied by 1 digit numbers using a formal written method. To calculate 2 digit numbers divided by 1 digit numbers using a formal written method. To solve missing number problems including positive integer scaling problems and correspondence problems. **Money(1 week)** To add and subtract amounts of money to find change, using £ and P.	**Multiplication and Division (4 weeks)** ***Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.*** To calculate 2 digit multiplied by 1 digit numbers using a formal written method. To calculate 2 digit numbers divided by 1 digit numbers using a formal written method. To solve missing number problems including positive integer scaling problems and correspondence problems. **Shape (2 weeks)** To draw 2-D shapes, know their names and describe them. To make 3-D shapes using modelling materials, recognise them in different orientations and describe them. ***Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.*** To recognise right, acute or obtuse angles within a shape. To identify horizontal, diagonal or vertical lines. To identify pairs of parallel or perpendicular lines. ***Draw polygons by joining marked points, and identify parallel and perpendicular sides.***
	Spring 2	**Summer 1**	**Summer 2**
	Fractions (4 weeks) ***Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.*** To compare and order fractions with the same denominator within one whole.	**Fractions (2 weeks)** To recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. To compare and order fractions with the same denominator within one whole.	**Statistics (2 weeks)** To interpret and present data using bar charts, pictograms and tables

	Add and subtract fractions with the same denominator, within 1. Count up and down in tenths: recognise as fraction and as decimal. To recognise and show equivalent fractions with small denominators. ***Reason about the location of any fraction within 1 in the linear number system.*** To recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators: particular attention to half, quarter and three-quarters. ***Find unit fractions of quantities using known division facts (multiplication tables fluency).*** **Length and Perimeter (2 weeks)** To measure and compare lengths (m/cm/mm) To measure the perimeter of simple 2D shapes	To count up and down in tenths: recognise as fraction and as decimal. To recognise and show equivalent fractions with small denominators. To recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators: particular attention to half, quarter and three-quarters. **Length and Perimeter (1 weeks)** To measure and compare lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) To measure the perimeter of simple 2D shapes **Mass and Capacity (3 weeks)** To measure and compare mass (kg/g); volume/capacity (l/ml)	**Time (4 weeks)** To tell and write the time to the nearest minute from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks. To compare durations of events.