Year 6

Maths Curriculum Map

2025/26

Autumn 1							
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**	**Week 8**
Place Value Numbers to 1,000,000	Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10 Number line to 10,000,000	Compare and order any integers Round any integer Negative numbers **The Four Operations** Add and subtract integers	Common factors Common multiples Rules of divisibility Primes to 100	Square and cube numbers Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division	Division using factors Introduction to long division Long division with remainders Solve problems with division	Solve multi-step problems Order of operations Mental calculations and estimation Reason from known facts	
Key Vocab ten millions, millions placeholder round negative number ascending, descending **Sentence stems** Composition and partitioning: *There are ___ millions, ___ thousands and ___ ones.* *The number is ___.* *___ can be partitioned into ___.* Comparing and ordering: *___ is greater than/less than ___.* *From ___ to ___ the numbers are ascending/ descending.* Rounding: *___ is closer to ___ than ___. ___ rounded to the nearest ___ is ___.*			**Key Vocab** augend, addend, sum minuend, subtrahend, difference multiplicand, multiplier, product dividend, divisor, quotient common factor/common multiple divisible prime, composite square/cube number remainder order, operation **Sentence stems** Addition and subtraction: *___ add/subtract ___ is ___. I (only) have ___. I need to exchange ___ for ___.* *The addends/subtrahend/minuend are ___. The sum/difference is ___.* Multiplication: *___ multiplied by ___ is ___. I need to exchange ___ for ___.* *The multiplicand is ___ and the multiplier is ___. The product is ___.* Division: *There are ___ groups of ___ in ___, with a remainder of ___. I need to exchange ___ for ___.* *The dividend is ___ and the divisor is ___. The quotientt is ___.*				
Arithmetic:							

Autumn 2						
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**
Fractions (1) Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) Compare and order (numerator)	Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers	Multi-step problems **Fractions (2)** Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer	Divide any fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount - find the whole	**Converting Units** Metric measures Convert metric measures Calculate with metric measures Miles and kilometres	Imperial measures **Ratio** Add or multiply? Use ratio language Introduction to the ratio symbol	Ratio and fractions Scale drawing Use scale factors Similar shapes
Key Vocab equivalent simplify numerator, denominator common denominator vinculum mixed number improper fraction convert **Sentence stems** Simplifying: *The greatest common factor of ___ and ___ is ___, so we can divide both by ___.* *___ in its simplest form is ___.* Comparing: *___ is the same so the greater the ___, the greater/smaller the fraction.* Adding and subtracting: *The common denominator is ___.* *___ add/subtract ___ wholes is ___ wholes. ___ (fifths) add/subtract ___ (fifths) is ___ (fifths).*		**Key Vocab** integer numerator, denominator vinculum simplify operation **Sentence stems** Multiplying and dividing by integers: *___ lots of ___ (fifths) is ___ (fifths).* *___ (fifths) divided by ___ is ___ (fifths).* *Dividing by ___ is the same as multiplying by ___.* Multiplying by fractions: *The numerators multiplied is ___.* *The denominators multiplied is ___.* Finding factions and wholes: *The whole is ___. ___ is divided into ___ equal parts. ___ of those equal parts is ___.* *(fraction) is ___. One equal part is ___ so the whole of the equal parts is ___.*		**Key Vocab** metric, imperial miles (mi) kilometre (km) **Sentence stems**	**Key Vocab** ratio additive, multiplicative symbol scale scale factor proportion **Sentence stems**	
Arithmetic:						

Spring 1					
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
Ratio problems Proportion problems Recipes **Algebra** 1-step function machines	2-step function machines Form expressions Substitution Formulae	Form equations Solve 1-step equations Solve 2-step equations Find pairs of values	Solve problems with two unknowns **Decimals** Place value within 1 Place value – integers and decimals Round decimals	Add and subtract decimals Multiply by 10, 100 and 1,000 Divide by 10, 100 and 1,000 Multiply decimals by integers	Divide decimals by integers Multiply and divide decimals in context **Fractions, Decimals & Percentages** Decimal and fraction equivalents Fractions as division
Key Vocab algebra input, output operation inverse expression substitute formula equation **Sentence stems**			**Key Vocab** tenth, hundredth, thousandth decimal point decimal place integer round **Sentence stems** Composition: *There are ___ ones, ___ tenths, ___ hundredths and ___ thousandths. The decimal number is ___.* Rounding: *___ is closer to ___ than ___. ___ rounded to the nearest ___ is ___.* Adding and subtracting: *___ thousanths add/subtract ___ thousandths is ___. (etc)* *I (only) have ___. I need to exchange ___ for ___.* Multiplying and dividing: *___ thousandths multiplied by ___ is ___. (ect)* *___ tenths divided by ___ is ___, with a reminder of (etc)*		
Arithmetic:					

Spring 2				
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**
Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages	Percentage of an amount – one step Percentage of an amount – multi-step Percentages – missing values **Area, Perimeter & Volume** Shapes - same area	Area and perimeter Area of a triangle – counting squares Area of a right-angled triangle Area of any triangle	Area of a parallelogram Volume - counting cubes Volume of a cuboid **Statistics** Line graphs	Dual bar charts Read and interpret pie charts Pie charts with percentages Draw pie charts The mean
Key Vocab equivalent numerator, denominator vinculum percent percentage **Sentence stems** Fractions as divisions: *___ is equivalent to ___ divided by ___.* Percentages: *The whole is ___ percent.* *Each hundredth is worth ___ percent.* *___ is equivalent to ___ percent.* Find a percentage: *___ percent is ___ of the whole ___.* *The whole divided into ___ equal parts is ___.* *___ percent of ___ is ___.*		**Key Vocab** area perimeter formula base perpendicular square centimetre (cm^2) volume cubic centimetre (cm^3) **Sentence stems**		**Key Vocab** continuous data, discrete data axis horizontal, vertical scale dual key pie chart mean, average **Sentence stems**
Arithmetic:				

Summer 1					
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**
Shape Measure and classify angles Calculate angles Vertically opposite angles	Angles in a triangle Angles in a triangle – special cases Angles in a triangle – missing angles Angles in quadrilaterals	Angles in polygons Circles Draw shapes accurately Nets of 3-D shapes	**Position and Direction** The first quadrant Read and plot points in four quadrants Solve problems with coordinates Translations Reflections		
Key Vocab acute, right angle, obtuse, straight angle, reflex degrees (°) radius, diameter, circumference **Sentence stems**		protractor net	**Key Vocab** quadrant coordinates x-axis, y-axis negative translate, translation reflect, reflection **Sentence stems**		
	Arithmetic:				

	Summer 2					
Week 1	**Week 2**	**Week 3**	**Week 4**	**Week 5**	**Week 6**	**Week 7**
Arithmetic:						