		The Mat	hs Compone	ent Curr	icu	ılum – Y	ear 6	
	What do	o we want our chil	dren to know and rememb	oer? (Key object	tives ta	aken from the Na	ational Curriculum)	
YEAR 6	Week 1	Week 2	Week 3	Week 4		Week 5	Week 6	Week 7
Autumn 1	Number and place value • [KEY] Read, write, order and compare numbers to 10,000,000 and determine the value of each digit • [KEY] Solve number and practical problem that involve large numbers, rounding and negative numbers	 [KEY] Perform me mixed operations. [KEY] Use their knoperations to car four operations. [KEY] Solve additional problems in contain and methods to [KEY] Solve problems in contain and methods to [KEY] Solve problems in contain multiplement of the contain multiplement of the contain multiplement of the contain multiplement of the contain mixed operations of the contain mixed operation mixed operations of the contain mixed operation mixed operations of the contain mixed	lems involving addition, tiplication, division. The sup to 4 digits by a twong the formal written method of ere appropriate, interpreting rding to the context.	Test week	k	Use common from common multiplication in the common multiplication in the compare and offractions greated in the compare and offractions greated in the compare and offraction in the compare answers up to the compare answers up to the compare in	order fractions including er than 1. ue of each digit in numbers decimal places and multiply and s by 10, 100 and 1000 giving three decimal places. one-digit numbers with up to aces by whole numbers. simple pairs of proper fractions, wers in its simplest form [for	Ratio • [KEY] Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison
Autumn 2	Algebra Algebra [KEY] Begin to use simple formulae [KEY] Begin to find pairs of numbers that satisfy an equation with two unknowns. Begin to generate and describe linear number sequences Begin to express missing number problems algebraically Begin to enumerate possibilities of combinations of two variables Measure [KEY] Use, read, write ar between standard units, measurements of length and time from a smaller to a larger unit and vice decimal notation to up to places. [KEY] Solve problems in calculation and conversi measure, using decimal three decimal places where the combinations of two variables Calculate, estimate and of cubes and cuboids us units, including cubic cean and cubic metres (m³) are other units [for example]		onverting mass, volume nit of measure ersa, using three decimal sliving the n of units of otation up to re appropriate. ompare volume g standard cimetres (cm³) l extending to		Test week	Shape and position • [KEY] Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons. • Draw 2D shapes using given dimensions • [KEY] Recognise angles where they meet at a point, are on a straight line, or are vertically opposite and find missing angles.	Statistics Being to interpret and construct pie charts and line graphs and use them to solve problems. Being to calculate and interpret the mean as an average.	

Spring 1	Number and place value Use negative numbers in context, and calculate intervals across zero. Round any whole number to a required degree of accuracy	 Multiplication and division Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication. Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context. Identify common factors, common multiplies and prime numbers. 			Test week		[KEY] Add and denominators a of equivalent fr [KEY] Use writte where the answ places. [KEY] Associate calculate decimexample, 0.375 example 3/8] [KEY] Solve probe rounded to [KEY] Continue whole numbers [KEY] Continue between simple percentages, in		
Spring 2	Measure Recognise when it is possible to use formulae for area and volume of shapes Recognise that shapes with the same areas can have different perimeters and vice versa Calculate the area of parallelograms and triangles. Starters – convert between miles and kilometres.	Test week	Shape and position Recognise, describe and build simple 3D shapes, including making nets Describe positions on the full coordinate grid (all four quadrants) Traw and translate simple shapes on the coordinate plane, and reflect them in the axes Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.	•	Statistics Interpret and construct pie charts and line graphs and use them to solve problems. Calculate and interpret the mean as an average.	•	Ratio Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving similar shapes where the scale factor is known or can be found Solve problems involving unequal	Algebra • [KEY] Use simple formulae • [KEY] Find pairs of numbers that satisfy an equation with two unknowns. • Generate and describe linear number sequences • Express missing number problems algebraically • Enumerate possibilities of combinations of two variables	

					sharing and grouping using knowledge of fractions and multiples.		
Summer 1	Revision Gap analysis will drive teaching requirements			SATs week	Number and place value Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	Multiplication and division Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	
Summer 2	Fractions Revisit areas that have been previously taught (through investigations and projects if needed) gap analysis to drive this.	Measure Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	Shape and position Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	Statistics Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	Algebra Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	Ratio Revisit areas that have been previously taught (through investigations and projects if needed) – gap analysis to drive this.	Year 7 prep

YEAR 6	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Autumn 1				Test week			
Autumn 2					Test week		
Spring 1				Test week			
Spring 2		Test week					
Summer 1	Revision Gap analysis will drive teaching requirements			SATs week			
Summer 2							