Maths Long Term Plan and Assessment Schedule

Year 4 – 24/25

	1	2	3	4	5	6	7	8	9	10	11	12
Autumn	**Place Value** • find 1000 more or less than a given number • recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • count backwards through zero to include negative numbers • order and compare numbers beyond 1000 • solve number and practical problems that involve all of the above and with increasingly large positive numbers • identify, represent and estimate numbers using different representations • round any number to the nearest 10, 100 or 1000 • read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value • count in multiples of 6, 7, 9, 25 and 1000				**Addition and Subtraction** • add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate • estimate and use inverse operations to check answers to a calculation • solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why			**Measurement Area** • find the area of rectilinear shapes by counting squares	**Multiplication and division A** • recall multiplication and division facts for multiplication tables up to 12 × 12 • solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects • recognise and use factor pairs and commutativity in mental calculations • use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • multiply two-digit and three-digit numbers by a one-digit number using formal written layout			**Consolidation**
		Baseline Assessment			Place Value Assessment			**Addition and Subtraction Assessment**		Area Assessment		**Autumn term progress checks** **Paper 1 – Arithmetic** **Paper 2 - Reasoning**

	1	2	3	4	5	6	7	8	9	10	11	12
Spring	**Multiplication and division B** • recall multiplication and division facts for multiplication tables up to 12 × 12 • solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects • recognise and use factor pairs and commutativity in mental calculations • use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers • multiply two-digit and three-digit numbers by a one-digit number using formal written layout			**Measurement Length and Perimeter** • measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres		**Fractions** • add and subtract fractions with the same denominator • recognise and show, using diagrams, families of common equivalent fractions • count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten • solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number			**Decimals A** • 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 • recognise and write decimal equivalents of any number of tenths or hundredths • recognise and write decimal equivalents to ¼ , ½ , ¾ • round decimals with one decimal place to the nearest whole number • compare numbers with the same number of decimal places up to two decimal places		
	Multiplication and Division A Assessment				Multiplication and Division B Assessment		**Measurement Length and Perimeter** Assessment				Fractions Assessment	**Spring term progress checks** **Paper 1 – Arithmetic** **Paper 2 - Reasoning**

	1	2	3	4	5	6	7	8	9	10	11	12
Summer	**Decimals B** • 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 • recognise and write decimal equivalents of any number of tenths or hundredths • recognise and write decimal equivalents to ¼ , ½ , ¾ • round decimals with one decimal place to the nearest whole number • compare numbers with the same number of decimal places up to two decimal places		**Measurement Money** • solve simple measure and money problems involving fractions and decimals to two decimal places • estimate, compare and calculate different measures, including money in pounds and pence		**Measurement Time** • convert between different units of measure [e.g. hour to minute] • solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days • read, write and convert time between analogue and digital 12- and 24-hour clocks		**Consolidation**	**Shape** • compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • identify acute and obtuse angles and compare and order angles up to two right angles by size • identify lines of symmetry in 2-D shapes presented in different orientations • complete a simple symmetric figure with respect to a specific line of symmetry		**Statistics** • solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs • interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	**Position and Direction** • describe positions on a 2-D grid as coordinates in the first quadrant • describe movements between positions as translations of a given unit to the left/right and up/down • plot specified points and draw sides to complete a given polygon	
	Decimals A Assessment			Decimals B Assessment	**Money Assessment**	**Summer term progress checks** **Paper 1 – Arithmetic** **Paper 2 - Reasoning**	Time Assessment		Shape Assessment	**Statistics Assessment**		Position and direction Assessment