Year Group 5

Spring 1

	Curious	Confident	Creative
Relationships Education	Recognising strengths and setting goals	Our Digital Selves	
	Equalities and Diversity link/Questions: Promoting confidence in maths for girls		
	Block 1: Perimeter and area	Block 2: 2D and 3D shapes and angles Coordinates and symmetry Refresh number	Block 3: Refresh number Converting units of measurements mini test base assessment
White rose foci	• Perimeter on a grid/ triangle/ rectilinear shape • Calculate perimeter • Area of rectangles/compound shapes/irregular shapes.	• Properties of 2D and 3D shapes • Interpreting angles and measuring angles • Regular and irregular polygons • Reasoning with 3D shape • Positioning with quadrants • Translation with coordinates	• Recap addition/ subtraction /multiplication/division. • Reasoning with number • Kilograms/Kilometer conversions • Metric units/imperial units • Converting units of time • Word problems using time

		• Reflection with coordinates • Line of symmetry/ completing a symmetric figure	• Time tables • Creating our own timetable and questions (school days, tv channel)
National curriculum links	• solve comparison, sum and difference problems using • information presented in a line graph complete, read and interpret information in tables, including timetables.	• identify 3-D shapes, including cubes and other cuboids, from 2-D representations • know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles draw given angles, and measure them in degrees (o) • identify: angles at a point and one whole turn (total 360o) angles at a point on a straight line and 2 1 a turn (total 180o) other multiples of 90o • use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	• add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) • add and subtract numbers mentally with increasingly large numbers • use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. • identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers • know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers • establish whether a number up to 100 is prime and recall prime numbers up to 19

			• multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers • multiply and divide numbers mentally drawing upon known facts divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context • multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 • convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) • understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints • measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres • calculate and compare the area of rectangles (including squares), and

			including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water] ● solve problems involving converting between units of time ● use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.
Approximate time	2 weeks	2 weeks	2 weeks