



Year/Term Unit Intent					
		Foundation	Foundation Plus	Higher	Higher Plus
Overall					
Autumn 1	Number	Identify factor, multiples, common factors and common multiples.	Identify factor, multiples, common factors and common multiples.	Know square numbers, roots and prime numbers. Estimate roots. Simplify surds. Convert between ordinary numbers and standard form.	Know square numbers, roots and prime numbers. Prime decomposition. Calculate with positive integer indices. Estimate roots. Simplify surds. Convert between ordinary numbers and standard form.
	Sequences	Sequences of odd/even numbers. Continue simple linear sequences. Identify term-to-term rule.	Continue linear sequences. Identify and use term-to-term rule. Recognise patterns generate numerical sequences.	Linear sequences, simple geometric sequences, special sequences (triangular, square, cube, Fibonacci)	Linear sequences, simple geometric sequences, special sequences (triangular, square, cube, Fibonacci)
	Algebra Skills	Algebraic notation introduced. Understand vocabulary of algebra. Simplify one variable expressions.	Algebraic notation used. Understand and use vocabulary of algebra. Simplify one variable expressions.	Form expressions from context. Simplify expressions. Expand single brackets. Write expressions using powers.	Form expressions from context. Simplify expressions. Expand single brackets. Write expressions using powers.
	Ratio & Proportion	Simple proportion problems using unitary method. Ratio introduced and ratio notation used.	Simple proportion problems. Understand and use ratio notation.	Direct proportion in real contexts. Simplify ratios. Relate ratios to fractions.	Direct proportion in real contexts. Simplify ratios. Relate ratios to fractions. Share a quantity in a ratio.
Autumn 2	Measures & Estimation	Simple money calculations. Time conversion problems. Choose appropriate units for estimating or measuring. Round to nearest integer. Round to powers of 10.	Money calculations. Time conversion problems. Choose appropriate units for estimating or measuring. Convert between units of measure.	Convert between units of measure. Solve simple arithmetic problems involving units of measure. Round to significant figures. Estimate simple calculations.	Convert between units of measure. Solve arithmetic problems involving units of measure. Round to significant figures. Estimate calculations.





		Draw and measure line segments accurately. Measure and find perimeter of simple shapes.	Round to decimal places. Measure shapes to find their perimeter.	Speed, distance, time calculations. Perimeter of compound shapes.	Speed, distance, time calculations. Perimeter of compound shapes.
	Functions & Equations	Simple calculations using function machines. Equations introduced. Solve simple onestep equations.	Calculations using function machines. Solve one-step linear equations.	Solve one and two-step linear equations.	Solve two-step linear equations.
	Translations & Vectors	Translate a point then a simple shape using left, right, up, down instructions. Describe a simple translation.	Translate a shape using worded instructions. Describe a translation in words.		
	Angles	Name polygons. Properties relating to polygons and notation. Types of angles. Draw and measure angles. Identify parallel and perpendicular lines.	Properties relating to polygons and notation. Draw and measure angles. Identify parallel and perpendicular lines. Angles on a straight line and at a point. Vertically opposite angles.	Angle sums of polygons. Angles on a straight line and at a point. Vertically opposite angles.	Angle sums of polygons. Angles on a straight line and at a point. Vertically opposite angles. Angles in a triangle.
Spring 1	Graphs & Tables	Coordinates in the first quadrant. Simple mileage charts. Simple timetables.	Coordinates in all four quadrants. Mileage charts. Timetables.	Find missing coordinates and midpoints. Plot simple linear graphs using coordinates.	Find missing coordinates and midpoints. Plot linear graphs using coordinates.
	Statistics	Two-way tables for non- numerical information. Data collection sheets and tally charts. Pictograms. Bar and vertical line charts.	Two-way tables for non- numerical information. Data collection sheets and tally charts. Bar and vertical line charts. Dual bar charts.	Two-way tables for numerical information. Averages and range from list of data and charts. Dual bar charts. Pie charts.	Two-way tables for numerical information. Averages and range from list of data and charts. Dual bar charts. Pie charts.
	Decimals	Understand place value, including decimal place value. Simple familiar terminating decimals as fractions.	Understand place value, including decimal place value. Terminating decimals as fractions.	Convert between familiar decimals and fractions. Order decimals. Add and subtract decimals. Multiply and divide decimals by whole numbers.	Convert between decimals and fractions. Order decimals. Add and subtract decimals. Multiply and divide decimals by whole numbers.





Spring 2	Fractions	Fractions of shapes. Simple	Fractions of shapes.	Compare two fractions. Order	Compare two or more
		equivalent fractions. Simplify	Equivalent fractions. Simplify	simple fractions.	fractions. Order fractions.
		fractions. Familiar fraction of	fractions. Fraction of a		
		a quantity.	quantity.		
	Construction & Loci	Measure and draw line	Measure and draw line	Construct accurate triangles	Construct accurate triangles
		segments and angles	segments and angles	when given SSA, AAS, SSS.	when given SSA, AAS, SSS.
		accurately. Use standard	accurately. Use standard		
		conventions for denoting	conventions for denoting		
		sides and angles.	sides and angles.		
	Probability	Probability language	Probability language used.	Simple probabilities using	Probabilities using fractions
		introduced and used.	Probability scale.	fractions and decimals. Link	and decimals. Link between
		Probability scale.		between probability of events	probability of events
				occurring and not occurring.	occurring and not occurring.
Summer 1	Further Algebra Skills	Substitute +/- integer values	Substitute +/- integer values	Substitute +/- integer values	Substitute any values into
		into simple formulae and	into formulae and expressions	into formulae and expressions	formulae and expressions
		expressions involving the four	involving the four operations.	including those with brackets	including those with brackets
		operations.	Compare numbers using	and indices.	and indices.
		Compare numbers using	inequality signs. Examples of	Inequalities on number lines.	Inequalities on number lines.
		inequality signs. Examples of	integers that satisfy given	Solve one variable, one	Solve one variable, one
		integers that satisfy simple	inequalities.	operation linear inequalities	operation linear inequalities.
		given inequalities.		with positive integer answers.	
	Shapes &	Introduce properties of 2D	Properties of 2D and 3D	Compare and classify	Compare and classify any
	Transformations	and 3D shapes, using the	shapes, using the correct	geometric shapes based on	geometric shapes based on
		correct language. Reflective	language. Reflective	properties. Nets of basic 3D	properties. Nets of 3D shapes.
		symmetry. Reflect simple 2D	symmetry. Reflect 2D shape in	shapes. Rotational symmetry.	Rotational symmetry.
		shape in a horizontal or	a horizontal or vertical mirror	Simple congruent shapes.	Congruent shapes. Find
		vertical mirror line. Describe a	line. Describe a reflection by	Find missing sides or angles in	missing sides or angles in
		simple reflection by showing	showing the mirror line.	congruent shapes.	congruent shapes.
		the mirror line.		Reflect simple 2D shapes in	Reflect 2D shapes in mirror
				mirror line on coordinate grid.	line on coordinate grid.
				Describe reflections.	Describe reflections.





				Rotate simple 2D shapes on a	Rotate 2D shapes on a
				coordinate grid. Describe	coordinate grid. Describe
				rotations.	rotations.
Summer 2	Area & Volume	Area of any shape by counting	Area of rectangles and	Area of rectangles, triangle,	Area of rectangles, triangle,
		squares. Area of a rectangle.	triangles. Surface area of a	parallelograms and	parallelograms and
		Surface area of a cube.	cube or cuboid. Volume of a	trapeziums. Surface area of	trapeziums. Surface area of
		Volume of cube or cuboid by	cube or cuboid.	triangular prisms and square-	triangular and other prisms
		counting squares then using		based pyramids. Volume of a	and square-based pyramids.
		formula.		simple prism.	Volume of a prism.
	Percentages	Percentages of shapes. Basis	Simple percentage of a	Any percentage of a quantity.	Any percentage of a quantity.
		percentage of a quantity.	quantity. Increase/decrease	Increase/decrease by a	Increase/decrease by any
			by a simple percentage.	percentage.	percentage.
	Enlargement & Similarity	Enlarge simple 2D shapes by	Enlarge 2D shapes by positive	Enlarge 2D shape by positive	Enlarge 2D shape by positive
		positive integer scale factor.	integer scale factor. Identify	scale factor. Similar 2D	scale factor, including
		Identify scale factor of a	scale factor of an	shapes. Find missing sides in	fractions. Similar 2D shapes.
		simple enlargement.	enlargement.	simple similar 2D shapes.	Find missing sides in simple
					similar 2D shapes.