Curriculum Implementation Mapping – Skills and Knowledge

Subject: Maths Year group: 7

Горіс Т	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
•	Sequences - linear and non-linear	Place Value and Ordering	Solving Problems with the four	Operations & Equations with	Construction, Measurement &	Developing Number Sense -
			operations - written and mental		Geometric Notation - language	mental strategies with integers,
	•	understand the number system	•	directed number. Links	and properties relating to 2D	fractions and decimals.
		and place value including	subtraction, multiplication and	between the operations.	shapes. Concept of an angle.	Estimations. Number and
F	Algebraic Notation - links between	decimals and negative numbers.	division with positive integers	Squares and square roots.	Types of triangles,	algebraic facts.
r	numerical, algebraic and	Median & range. *Powers of 10	and decimals. Inverse	Substitution. Concepts of	quadrilaterals and polygons (up	
*	*graphical* representations.	leading to standard form*	operations. Formulae.	equations, expressions,	to decagon). Parallel &	Sets & Probability - sets and
S	Structure of arithmetic and		Frequency tables/trees, bar	inequalities, terms and factors.	Perpendicular lines	Venn Diagrams (notation).
r	relationships between operations	Fraction, Decimal & Percentage	charts and pictograms.	Standard mathematical		Probability vocabulary. Sample
		Equivalence - links between FDP	Perimeter and Area. The mean.	formulae.	Geometric Reasoning - angle	spaces, Probability of a single
E	Equality and Equivalence -	(Including real life context).	Solve equations. Multiples &		rules (at a point, on a line,	event. Probability scale.
U	understand equivalence in	Concept of fractions and	Factors (including HCF and	Addition & Subtraction with	vertically opposite, triangles,	Exhaustive events.
а	algebraic context. Like & unlike	percentages. Interpret pie	LCM).Unit conversions.	fractions - different	quadrilaterals and *polygons	
t	terms.	charts.	Calculator use.	representations of fractions and	and parallel lines*)	Prime Numbers & Proof -
				decimals.Four operations with		factors, multiples, primes and
			Fractions & Percentages of	fractions.		triangular numbers. Prime
			Amounts - fractions & % of			factors and common multiples
			quantities			and factors
Skills S	S - describe, draw and continue	PV & O - Round to the nearest	SP 4 op - problem solving	O & E with DN - Use 4 ops with	CM & GN - draw and measure	DNS - use mental strategies with the
s	sequences. Find next and	10, use equality and inequality	(including with calculator) with	positive and negative integers &	angles. Identify parallel and	four operations involving integers,
*	*missing* terms.	notation to compare numbers.	the 4 operations (money, data	develop problem solving	perpendicular lines. Recognise	fractions and decimals. Use
		Order integers. Find the	and mensuration). Derive	strategies. Use squares and	types of polygons (including	estimation to check answers. Use
P	AN - use algebraic notation to	median & range. Round to one	formulae and equations. Use	square roots.Use calculator	special triangles and	factors to simplify calculations. *Use known algebraic and number facts
r	model situations/ procedures. Use	significant figure. Position	inverse operations and solve	(and other technologies) and	quadrilaterals). Construct	to derive other facts. Select the best
	inverse operations to find output.	decimals on a number line.	one step equations and	interpret results. Understand	triangles (*and more complex	strategy*
	Substitution. *Generate	*Write (and investigate)		and use algebraic vocabulary.	polygons*). *Use protractor to	
s	sequences & represent	numbers to powers of 10.	Use and interpret the mean.	Simplify and manipulate	draw and interpret pie charts*	S & P - identify and represent sets
g	graphically*.	Write positive integers in	Convert between standard	expressions. Substitute into and		using correct notation on Venn
		standard form.*	units. Use multiples, factors	simplify formulae (including	GR - know and apply the given	Diagrams and in Sample Space Diagrams. Calculate simple
E	E & E - form and solve one-step		(including simple HCF and LCM).	standard).	angles rules to identify missing	probabilities and use the probability
e	equations. Collect like terms.	FDP - represent fractions on	Construct and interpret		angles and to solve problems	scale
		diagrams and a number line.	frequency tables, bar charts &	A & S with f - add and subtract		
		Convert between FDP. Use	pictograms.	fractions with the same		PN & P - identify and use
		simple fractions and write one		denominator and where one is		multiples,factors, square and
		number as a fraction of	F & P of amounts - use the 4	a multiple of the other (*		triangular numbers. Find common
		another. Use & interpret simple		different denominators and		multiples and factors including HCF
		pie charts.	decimals and fractions. Work	algebraically*)		and LCM (*Venn Diagram method with prime factors*). *conjecture
			out fractions and percentages			and proof*
			of amounts.			'
Assessment		Term 2 Summary Assessment		Term 4 Summary Assessment		Term 6 (End of Year) Summary
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Pattern		7				Assessment

^{**} extension topics