



Parkside School Curriculum Map 2025/6

Year 9						
Term 1: Autumn 1	Term 1: Autumn 2	Term 2: Spring 1	Term 2: Spring 2	Term 3: Summer 1	Term 3: Summer 2	Age Related Expectations (ARE)
What is the purpose of this unit? See box below Overview of the knowledge and skills covered in this unit: • +, -, x, ÷ negative numbers • Problem solve with negative numbers • BIDMAS • HCF and LCM • Prime numbers • Prime factor decomposition Prior knowledge: • Ordering negative numbers and	nat is the purpose of this unit? e box below verview of the knowledge and ills covered in this unit: Tally charts, frequency charts, bar charts, vertical line charts and frequency polygons Mode, median, mean and range from a list, non- grouped and grouped data Time-series graph Cumulative frequency graphs ior knowledge:	Algebra (runs from Spring 1 into Spring 2) What is the purpose of this unit? See box below Overview of the knowledge and skills covered in this unit: Expand and factorise double brackets Forming terms, equations and formula Factorise quadratic equations Product of 3 brackets Prior knowledge: Understanding algebraic notation Simplify algebraic expressions by +, -, x, ÷ Basic substitution Expand and factorise single brackets Index laws	Ratio (runs from Spring 2 into Summer 1) What is the purpose of this unit? See box below Overview of the knowledge and skills covered in this unit: • Use ratio to convert units including compound measures (speed and volume) • Use the difference between 2 parts to find ratios • Write in the ratio 1:n or n:1 Prior knowledge: • Share amount given ratio • Simplify ratio • Equivalent ratio • Multiplers • Some basic metric conversions cm to m	What is the purpose of this unit? See box below Overview of the knowledge and skills covered in this unit: Symmetry Tessalation Properties of shapes Name of polygons Perimeter, area and volume using algebra Complete shapes on coordinate grid Area of compound shapes (triangles and quadrilaterals) Real life problem solving using shapes Pythagoras Prior knowledge: Perimeter Area of the following shapes: Square, Rectangle, Triangle, Trapezium and Parallelogram Volume of Cube, cuboid, Reflection Translation Coordinates (4 quadrants) Money skills Square and square rooting	What is the purpose of this unit? See box below Overview of the knowledge and skills covered in this unit: Solve equations with unknowns on both sides Solve equations with brackets on both sides Rearrange 1 step and 2 step formula Solve equations with algebraic fractions Solve equations with square and square roots Prior knowledge Function machines Solve 1 step and 2 step equation including 1 bracket +, -, x, ÷ fractions Simplify terms Expand and factorise BIDMAS	 BIDMAS Standard form Rounding to a given decimal place and significant figures +,-, x, ÷ fractions including mixed numbers Use ratio to convert units (length, mass and capacity) Real life problems using shapes Forming formulas



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Mathematics

Purpose: Each unit is designed to reinforce and extend students' understanding of foundational math concepts, including Number, Decimals, Bar and line graphs, Fractions, Ratio, 2D shapes, and Solving equations. This will build a strong groundwork for more advanced topics beyond Year 9. For those who have already mastered these skills, we'll provide challenging, multi-step problem-solving tasks to foster deeper application and critical thinking.

Objectives in *italics* may not be covered by every group.