GILBERT INGLEFIELD ACADEMY
Year 8 Maths Curriculum Map 2023 – 2024

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Whole Numbers and Decimals • Powers of 10 • Rounding • Factors, multiples and primes • Estimating and approximating **Measures, perimeter and area** • Measures • Dimensions • Length and area • Compound measures **Expressions and Formulae** • Multiplying linear expressions • Factorising expressions • Identities • Formulae	**Fractions, decimals and percentages** • Calculating with fractions • Recurring decimals and reciprocals • Percentage increase and decrease • Reverse percentages • Financial maths **Graphs** • The gradient of a straight line • Graphs of linear function • Equation of a straight line • Quadratic graphs • Distance-time graphs • Real-life graphs	**Decimal Calculations** • Order of operations • Calculating with decimals • Using a calculator • Interpreting the calculator display **Statistics** • Planning a statistical survey • Data collection • Frequency tables • Constructing diagrams • Frequency diagrams • The mean • Correlation • Interpreting data **Transformations and Scale** • Transformations • Maps and scale drawings • Similar shapes	**Equations** • Consolidating linear equations **Powers and Roots** • Powers of 10 • Standard form for large numbers • Standard form for small numbers • Powers and operations **Constructions and Pythagoras** • Pythagoras' theorem • Applications of Pythagoras' theorem • Constructing a triangle	**Sequences** • Position to term rules • Patterns and sequences • Behaviour of a sequence **3D Shapes** • 3D shapes • 3D geometry • Bearings **Ratio and Proportion** • Fractions and proportion • Ratio and proportion • Proportionality • Proportion and scale • Proportional reasoning • Comparing proportions • Algebra and proportion • Financial Maths	**Probability** • Prediction and uncertainty • Independent events • Mutually exclusive outcomes • Experimental probability • Comparing experimental and theoretical probability • Simulations **Everyday Maths** • Applications of learned maths in a range of every day contexts.