



GILBERT INGLEFIELD ACADEMY

Year 7 Maths Curriculum Map 2023 – 2024

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Whole Numbers and Decimals <ul style="list-style-type: none">Place value and decimalsMultiplying by 10, 100, 1000Negative numbersMultiplying and dividing integersMental methods of addition and subtractionWritten methods of addition and subtractionCalculator methods	Fractions, decimals and percentages <ul style="list-style-type: none">FractionsEquivalent fractionsAddition and subtractionsDecimals and fractionsFractions of a quantityPercentagesFractions, decimals and percentages Angles and 2D Shapes <ul style="list-style-type: none">Angle measureMeasuring anglesDrawing lines and anglesCalculating anglesAngles in trianglesProperties of trianglesProperties of quadrilaterals	Whole Number Calculations <ul style="list-style-type: none">RoundingOrder of operationsMultiply and divide by powers of 10Mental multiplication and divisionWritten method of multiplicationWritten methods of divisionCalculator Methods Statistics <ul style="list-style-type: none">Bar chartsReading and interpreting pie chartsLine graphsMode, median and rangeThe meanInterpreting graphs and chartsPlanning a statistical enquiryCollecting dataTally charts and frequency tablesComparing data	Equations <ul style="list-style-type: none">Multiplying and dividing termsBalancing calculationsSimple equationsTwo-step equations Factors and Multiples <ul style="list-style-type: none">Factors and multiplesSquare numbersSquare rootsPrime numbersLowest common multiplesHighest common factors Constructions and 3D Shapes <ul style="list-style-type: none">Constructing trianglesProperties of 3D shapesIsometric drawingsNets of 3D ShapesSurface area and volume of a cuboid	Sequences <ul style="list-style-type: none">SequencesSequence rulesTerm to term rulesPosition in a sequence Decimal Calculations <ul style="list-style-type: none">Mental methods with decimalsWritten methods of multiplying decimalsWritten methods of dividing decimalsInterpreting a calculator display Ratio and Proportion <ul style="list-style-type: none">ProportionDirect proportionRatioDivision in a given ratioRatio and proportion problemsPercentage increase and decrease	Probability <ul style="list-style-type: none">The probability scaleMore probabilityListing outcomesTheoretical probabilityExperimental probability Everyday Maths <ul style="list-style-type: none">Application of learned mathematical skills in real life contexts
Measures, perimeter and area <ul style="list-style-type: none">LengthUnits of measurementConverting between metric unitsPerimeterArea of shapes					

Expressions and Formulae <ul style="list-style-type: none"> • Simplifying and substituting • Expressions • Collecting like terms • Indices • Like terms • Using and writing a formula • Expressions and formulae 	Graphs <ul style="list-style-type: none"> • Co-ordinates • Tables of values • Plotting straight line graphs • Real-life graphs 	Transformations and symmetry <ul style="list-style-type: none"> • Reflection • Reflection symmetry • Rotation • Rotation symmetry • Translation • Tessellations 		
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