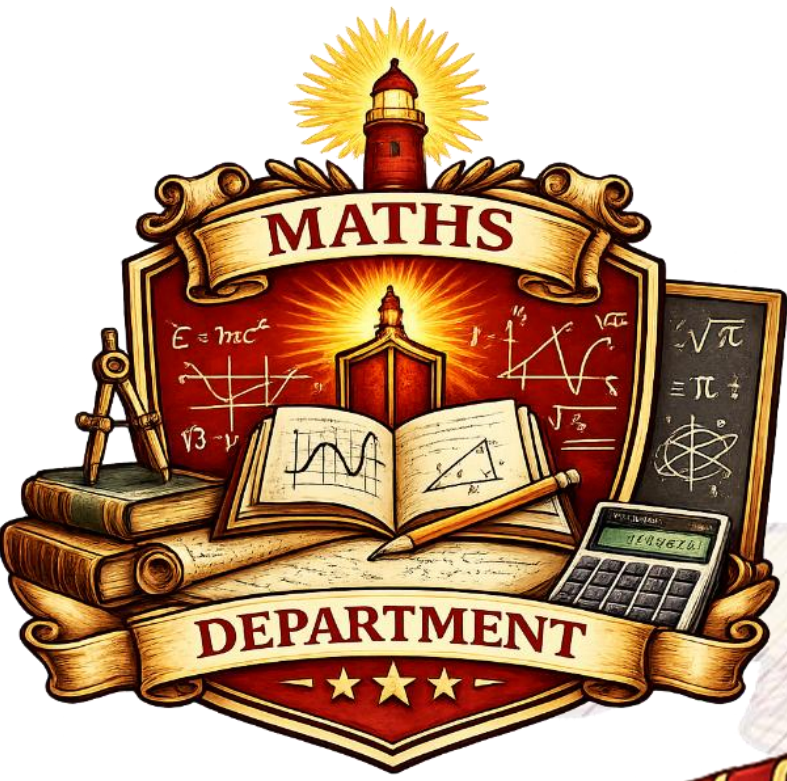
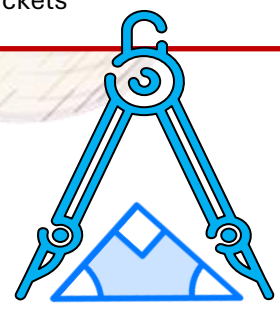




KS3: YEAR 7



Decimals,
Rounding and Estimation
Adding and subtracting decimals, Rounding, Decimal Places, Significant Figures, Estimation by Rounding
Percentages (non calc)
Calculating percentages without a calculator, Increase/Decrease by a given percentage, Percentage change and FDP Conversions
Probability
Probability scale, Listing outcomes, Experimental and theoretical probability, Mutually exclusive and independent events, Relative frequency, Expected number of outcomes, Probability from two-way tables

SUMMER
3:2

Averages and Range
• Mode, median & range, Mean from a list and Reverse Mean
Measures and Conversions
• Converting between metric units, converting between units of time, conversion graphs and calculating speed.
Reteach
• Address the gaps after the end of year assessment

SUMMER
3:1

Sequences
Term to term rule, Generate a sequence, Fibonacci sequence, Find the n^{th} term
Charts and Diagrams
Tally charts, Pictograms, Bar charts, Two-way tables
Fractions
Equivalent fractions, Comparing fractions, Fractions of amounts, Four operations, Mixed numbers and Improper Fractions

SPRING
2:2

Area and Perimeter
Classifying 2D shapes, Area and perimeter of triangles, quadrilaterals and trapezia, Compound shapes
Circles
Circumference of circles, Area of circles
Graphs
Coordinates, Plotting and recognising $y = x$, $y = -x$, vertical and horizontal graphs, Plotting linear graphs from a table of values
Transformations
Symmetry, Reflection, Rotation

SPRING
2:1

Angles
Types of angles, Drawing and measuring, Angle rules, Angle properties in special types of triangles and quadrilaterals
Algebraic Manipulation
Collect like terms, Expand single brackets, Factorise single brackets, Substitution
Equations
Solving one step linear equations, Solving two step linear equations, Solving linear equations with fractions and brackets

AUTUMN
1:2

AUTUMN
1:1

Calculator Introduction
Use of a calculator
Ratio
Use ratio notation, Simplify ratios, Ratios as fractions, Dividing in a given ratio, Currency conversions, Recipe Problems
KS2/KS3 Transition
Addressing gaps from KS2:
Four operations, Properties of number, Negative Numbers