

# Programme of Study 2024- 2025



Subject: Mathematics  
Year 7

## Autumn 1

**Unit 1: Analysing and Displaying Data:** Mode, median and range, Displaying data, Grouping data  
Averages and comparing data, Line Graphs and more bar charts  
**Unit 2: Number Skills:** Mental Maths, Addition and Subtraction, Multiplication, Division,  
Money and Time, Negative Numbers, Factors, multiples and primes  
Square Numbers

## Autumn 2

**Unit 3: Expressions, functions and formulae:** Functions, Simplifying expressions, Writing expressions  
Substituting into formula, Writing formulae  
**Unit 4a: Decimals and Measures:** Decimals and rounding, Length, mass and capacity, Scales and  
Measures, Working with decimals mentally, Working with decimals,  
**Unit 4b: Perimeter, Area, More units of measure**

## Spring 1

**Unit 5: Fractions and Percentages:** Comparing Fractions, Simplifying Fractions, Working with Fractions  
Fractions and decimals, Understanding percentage, Percentages of amounts  
**Unit 6: Probability:** The language of probability, Calculating Probability, More probability calculations  
Experimental probability, Expected outcomes

## Spring 2

**Unit 7: Ratio and Proportion:** Direct proportion, Writing ratio, Using Ratios, proportions and  
fractions, Proportions and percentages  
**Unit 8: Lines and Angles:** Measuring and Drawing angles, Lines, angles and triangles, Drawing triangles  
accurately

## Summer 1

**Unit 8: Lines and Angles,** Calculating angles, Angles in a Triangle, Quadrilaterals  
**Junior Maths Challenge** (*for selected students/students who wish to participate*)  
**Unit 9: Sequences and Graphs,** Sequences, Pattern sequences, Coordinates and midpoints,  
Extending sequences, Position-to-term rules,  
**Unit 10: Straight-line graphs**

## Summer 2

**Unit 11: Transformations,** Congruency and enlargements, Symmetry, Reflection, Rotation,  
Translations and combined transformations  
**Revision**