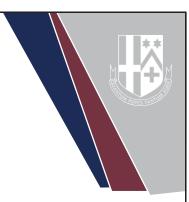
# Programme of Study 2024- 2025

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