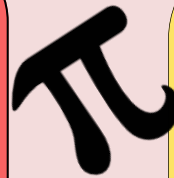


**Overview:**

Year 7 students will study a broad range of topics during the year; some that you have met before and others that are completely new.

The year is broken down into blocks of study that focus on a particular aspect of maths. This will enable you to deepen your knowledge in that area before moving on.

As well as the core program of study, extension and support materials will be available for every topic.



Year 7

MATHEMATICS

**Term 1:**

Analysing & displaying data: mode, median and range; displaying data; grouping data; averages and comparing data; line graphs and more bar charts.

Number skills: mental maths; addition, subtraction, multiplication and division; money and time; negative numbers; factors, multiples and primes; and square numbers.

Expressions, functions & formulae: functions; writing and simplifying expressions; substituting into formulae; and writing formulae.

Decimals & measures: decimals and rounding; length, mass and capacity; scales and measures; working with decimals; perimeter and area.

Term 3:

Lines & angles: measuring and drawing angles; lines, angles and triangles; drawing triangles accurately; calculating angles; angles in a triangle; and quadrilaterals.

Sequences: sequences; pattern sequences; coordinates and mid-points; extending sequences; straight-line graphs; and position-to-term rules.

Transformations: congruency and enlargements; symmetry; reflection, rotation, translation and combined transformations.

Term 2:

Fractions & percentages: comparing and simplifying fractions; working with fractions; fractions and decimals; understanding percentages; and percentages of amounts.

Probability: the language of probability; calculating probability; more probability calculations; experimental probability; and expected outcomes.

Ratio & Proportion: direct proportion; writing and using ratios; ratios, proportions and fractions; proportions and percentages.