



Mathematics



Archdiocese of Liverpool

Curriculum intent:

It is the intention of St Gregory's Mathematics department to deliver a curriculum that will develop the skills set out in the National curriculum and promote an appreciation of Mathematics as a creative and highly interconnected discipline providing the solution to some of history's most intriguing problems. Aiming to provide students with a sense of enjoyment and curiosity about the subject together with an appreciation of the beauty and power of Maths in different cultures.

We endeavour to provide support across a range of subjects with an emphasis on problem-solving and developing Mathematical fluency across the whole school curriculum, narrowing gaps that students may have with the basic numeracy skills essential within everyday life.

Year 7

TERM 1

Content

Number:
Place value and calculation
Fractions, decimals and percentages
Algebra:
Expressions
Solving equations and inequalities
Geometry: Angles

Concepts and Skills

- addition, multiplication and subtraction
- compare simple fractions, decimals and percentages
- simplify expression
- solve one and two step equations
- represent inequalities
- know basic angle properties

TERM 2

Algebra: Patterns and formulae graphs and functions
Geometry: Area, perimeter and volume
Compound measures
Ratio and proportion:
Number: calculate with fractions and percentages

- find a term to term rule
- use a simple formula
- plot coordinates and simple line graphs
- find areas of simple shapes
- find volume of a cuboid
- understand metric measurements
- add and subtract simple fractions
- find percentages of amounts

TERM 3

Probability and Statistics: Presenting and measuring data
Geometry: Transformations
Visualisation and constructions
Properties of shape

- find averages from a list
- construct and interpret charts and diagrams
- reflect, rotate and translate shapes
- construct triangles using a protractor
- name simple 2D shapes and their properties

