



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 9

TERM 1

Content

- Properties of number.
- Percentages.
- Area and volume.
- Equations, inequalities and formulae.
- Fractions.
- Rates
- Standard form.

Concepts and Skills

- Number.
- Geometry.
- Solving equations and inequalities in algebra.

TERM 2

- Maths and money.
- Graphs and inequalities.
- Ratio and proportion.
- Constructions and congruence.
- Similarity.
- Algebraic manipulation.

- Reasoning with number.
- Straight line graphs and application of graphs.
- Congruence.
- Reasoning with geometry.
- Algebraic manipulation.

TERM 3

- Pythagoras' Theorem.
- Non-linear graphs.
- Probability.
- Transformations.
- Simultaneous equations.
- Trigonometry.

- Right angled geometry.
- Transformations.
- Simultaneous equations.
- Probability.

