



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 8

TERM 1

Content

- Ratio and scale.
- Algebraic manipulation.
- Co-ordinates and graphs.
- Multiplying and dividing fractions.
- Symmetry and reflection.

Concepts and Skills

- Proportional reasoning.
- Algebraic procedures.
- Operations with fractions.
- Graphical reflections.

TERM 2

- Area, volume and density.
- Equations and inequalities.
- Percentages.
- Indices.
- Standard form.
- Interpreting and representing data.

- Algebraic techniques.
- Developing number.
- Working with graphs.

TERM 3

- Angles in parallel lines and polygons.
- Tables and probability.
- Circles.
- Graphs and charts.
- Sequences.

- Angles geometry.
- Probability.
- Developing geometry.
- Reasoning with data.
- Generating sequences.

