



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

Content

- Sequences.
- Understand and use algebraic notation.
- Equality and equivalence.
- Place value and ordering integers and decimals.
- Fraction, decimal and percentage equivalence.

Concepts and Skills

- Algebraic thinking.
- Place value and proportion.

- Solving problems with addition and subtraction.
- Solving problems with multiplication and division.
- Fractions and percentages of amounts.
- Operations and equations with directed number.
- Addition and subtraction of fractions.

- Application of number.
- Directed number.
- Fractional thinking.

- Constructing, measuring and using geometric notation.
- Developing geometric reasoning.
- Developing number sense.
- Sets and probability.
- Prime numbers and proof.

- Lines and angles.
- Reasoning with number.

