



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

Concepts and Skills

- Sequences.
- Understand and use algebraic notation.
- Equality and equivalence.
- Place value and ordering integers and decimals.
- Four operations.
- Averages and range.
- Rounding and estimation.

- Algebraic thinking.
- Place value and estimation.
- Measures of central tendency.
- Equality and equivalence.

- Graphing data.
- Fractions, decimals and percentages.
- Directed number
- Fractions and percentages of amounts.
- Perimeter and area.

- Application of number.
- Directed number.
- Fractional thinking.
- Number equivalence.
- Geometry.

- Distance, Speed, Time.
- Properties of number.
- Adding and subtracting fractions.
- Angles and polygons.

- Reasoning with number.
- Distance, speed, time.
- Calculations with fractions.
- Angles in geometry.

