

**Curriculum Intent:** Mathematics

**Motto:** Ausculta

**Mission Statement:** Living, Loving and Learning through Christ.

**Theological Virtues**

**Faith:** The virtue by which we believe in God.

**Hope:** The virtue by which we trust God.

**Love (Charity):** The virtue by which we love God.

**Mission Statement Delivery:**

- Enhancing students' lives through the St Joseph's Mission statement: Living, loving, learning through Christ.
- Inspiring a love of maths and developing independent, enquiring learners.

**Curriculum Approach:**

- Single curriculum map for all learners, with adaptations for different starting points.
- Focus on Jesuit pupil profile qualities and Catholic traditions.
- Developing generous, compassionate learners with strong mathematical language skills.

**Key Aims:**

- Inspire interest and enjoyment in maths and its applications.
- Foster a love for problem-solving and link maths to other subjects and professions.
- Encourage participation in national maths competitions and enrichment programs.
- Promote independent learning through platforms like Hegarty, Dr Frost Maths, and SENECA.
- Provide a supportive, engaging, and challenging learning environment.
- Prepare students for GCSE success and future studies or careers.

**Course Content:**

- Follows the National Curriculum, leading to a GCSE in Mathematics.
- Covers Number, Ratio, Proportion & Rates of Change, Algebra, Statistics & Probability, and Geometry & Measures.

**Teaching Methods:**

- Emphasize conceptual understanding through multiple representations (objects, pictures, symbols, words).

- Use tasks sequenced to build a narrative and establish connections.
- Develop mathematical language and communication skills through frequent discussion.
- Ensure literacy is part of every lesson and understanding is regularly checked.

#### **Support and Enrichment:**

- Provide materials to inspire interest and enjoyment.
- Encourage active learning and participation in extra-curricular activities.
- Offer opportunities for meaningful dialogue and independent learning.
- Develop mathematical thinking skills and confidence in problem-solving.

#### **Overall Goal:**

- Enable all learners to enjoy and succeed in mathematics, equipping them with relevant and useful mathematical understanding for their future.

#### **Impact: Maths GCSE Curriculum**

##### **Assessment Objectives:**

1. Using & applying standard techniques.
2. Reasoning, interpreting, and communicating mathematically.
3. Solving non-routine problems in various contexts.

##### **Business & Enterprise Skills:**

- Problem solving, risk taking, and financial literacy.

##### **Examination Levels:**

- **Higher Level:** Grades 9 – 4.
- **Foundation Level:** Grades 5 – 1.

##### **Examination Structure:**

- Linear course with three equally weighted papers in June of Year 11.
- Two calculator papers and one non-calculator paper, each 1 hour 30 minutes.

##### **Regular Assessments:**

- Formal tests after each topic.
- Ongoing formative assessment in lessons.
- Regular homework and assessments to monitor progress and inform planning.