



## **Curriculum Intent for Maths at St Joseph's College**

In line with the national curriculum we intend to ensure that all students:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions

If these aims are successfully implemented then we believe that all students will:

- be supported
- be challenged
- have the opportunity to enjoy studying mathematics

The impact of this will be that we have an effective department and this will be measured through a triangulation of evidence:

- strong outcomes achieved and excellent progress made by students in external assessments
- high quality of teaching and learning observed in formal lesson observations and learning walks
- constructive discussion of teaching and learning between and across subject leadership, teachers and students