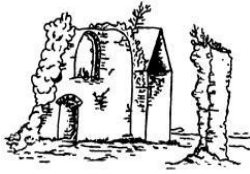


# The Priory Catholic Voluntary Academy

Part of the Saint Ralph Sherwin Catholic Multi Academy Trust



## Mathematics Statement of Intent

**Intent – What we teach and why we teach it, ambitious for all.**

### **The context of our school**

At The Priory Catholic Voluntary Academy, our religious beliefs coined within Catholic social teaching are central to the provision throughout the whole school; and the foundation on which the ethos of the school is built. Every person is recognised as a unique creation of God; it is the intention of the school, for each child to be assisted in every way possible, to achieve their potential in Mathematics. It is essential that our approach to teaching Mathematics is accessible to all learners, regardless of background and any learners with Special Educational Needs and Disabilities. Every child is unique and special in the eyes of God, and we must give every child the best start to their learning journey by empowering them to become confident mathematicians.

Mathematics is a creative and highly inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems. It is essential for: everyday life; critical to science, technology and engineering; necessary for financial literacy and most forms of employment. A high-quality mathematics education therefore provides: a foundation for understanding the world; the ability to reason mathematically; an appreciation of the beauty and power of mathematics and a sense of enjoyment and curiosity about the subject.

In 2019, we adopted the White Rose scheme to support our planning and teaching of Mathematics. We ensure varied fluency, reasoning and problem solving are at the heart of each lesson that we teach. This in turn allows us to follow a mastery approach to deepen pupils' understanding of Mathematics. We use this to guide our practise and to ensure learning is sequenced and progressive for all learners. It helps us to build up a wide range of Mathematical knowledge so that learners have a wide range of skills and knowledge that can be used and applied. It is essential the curriculum is ambitious for all and that it can also be adapted and tailored for learners. We want learners to have the ability to think independently and to persevere when faced with challenges, showing confidence of success and to embrace the value of learning from mistakes.

The teaching of mathematics at The Priory Catholic Voluntary Academy ensures that all pupils:

- 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.
- are able to reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing arguments, justification or proof using mathematical language.
- can solve problems by applying their mathematics to a variety of routine and nonroutine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

It is important for children to be able to move from the use of concrete objects to pictorial work and then onto abstract concepts. Through our daily key skills sessions, we aim to improve fluency, through revisiting and recapping mathematical skills. Daily reasoning and problem solving in mathematics lessons encourage children to justify and explain their methods when solving real life problems. Through these methods and by instilling the WE CARE characteristics; our school aims to build confident and accurate mathematicians for life.