



The Priory Catholic Voluntary Academy

Mathematics Policy

Rationale

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 to everyday life, critical to science, technology and engineering, and 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.

Purposes

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.
- 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 nonroutine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions. Mathematics is an interconnected subject in which pupils need to be able to move fluently between representations of mathematical ideas.

Guidelines

- The teaching of maths at The Priory Catholic Voluntary Academy follow the White Rose Scheme.
- Maths is taught everyday from EYFS to Y6.
- Maths begins with a key skills session where the children recap many skills already taught and embed fundamental skills.
- Within a maths lesson pupils will meet questions of varying fluency, problems to solve and reasoning challenges.

Monitoring Arrangements

The maths lead and SLT are responsible for monitoring the teaching of maths as detailed in the maths action plan. Monitoring events include:

- Classroom observation
- Pupil questioning
- Reviewing children's work
- Monitoring planning and assessment

Assessment and Recording

- Each class teacher assesses the pupils each term against assessment criteria.
- F2 pupils are assessed early learning goals.
- Year 2 pupils undertake end of key stage assessments.
- Year 4 pupils undertake the multiplication times table check.
- Year 6 pupils undertake end of key stage assessments.

Resources

White Rose

Classroom secrets

MMS concrete objects

This policy was developed during the Autumn 2019

It was ratified by the Full Governing Body during the Autumn 2019

Review date: Autumn 2020