

Together with Jesus, we grow in love

Holy Family Catholic Primary School

Maths Statement

Intent

At Holy Family, we recognise the importance of numeracy for life. We want our children to be equipped with the mathematical skills, knowledge and understanding which will support them through life. We develop children who are:

- Fluent in the fundamentals of mathematics who develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- Able to reason mathematically by following a line of enquiry.
- Able to solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication.

We aim to celebrate and embrace the diverse home backgrounds of the children, recognising the wealth and variety of experiences that our learners bring with them to school.

Implementation

Our mastery approach to the curriculum is designed to develop children's knowledge and understanding of mathematical concepts from the Early Years through to the end of Y6. At Holy Family, we follow the **National Curriculum** and **Development Matters** guidelines, whilst using the **School Improvement Liverpool (SIL) Maths Plans** as a guide to support teachers with their planning and assessment.

We use a **CPA** (Concrete, Pictorial, Abstract) approach to learning. The mastery approach incorporates all of these to help children explore and demonstrate mathematical ideas, enrich their learning experience and deepen understanding. Together, these elements help cement knowledge so pupils truly understand what they have learnt. The mastery approach incorporates all of these to help children explore and demonstrate mathematical ideas, enrich their learning experience and deepen understanding. Together, these elements help cement knowledge so pupils truly understand what they have learnt. Objects, models and images are used to enable children to visualise abstract ideas, alongside numbers and symbols.

Concrete – children have the opportunity to use concrete objects and manipulatives to help them understand and explain what they are doing.

Pictorial – children then build on this concrete approach by using pictorial representations, which can then be used to reason and solve problems.

Abstract – With the foundations firmly laid, children can move to an abstract approach using numbers and key concepts with confidence.

Our Calculation Policy demonstrates how the CPA approach is used within the calculation cycle for the four operations of number with children developing their skills according to a 'Stage not age' approach.

Impact

The impact of our mathematics curriculum is that children understand the relevance of what they are learning in relation to real world concepts. We have fostered an environment where we enjoy maths and know that it is okay to make mistakes. Our children are continually growing in resilience as mathematicians and recognise the importance of maths. Regular and ongoing assessment informs teaching, as well as intervention, to support and enable the success of each child.