

St John the Evangelist Catholic Primary

Mathematics



Curriculum Intent

At St. John the Evangelist RC School, the teaching and learning of mathematics is of the highest importance as we know that it is an essential skill that will impact on the rest of our pupils' lives.

We whole-heartedly believe that all of our children can succeed in mathematics.

Our aim is to send our children to the next stage of their learning as self-assured, resilient problem solvers with an enthusiasm for discovery.

Throughout their time with us and beyond, we want our children to:

Have the firm belief that they can succeed at mathematics and welcome the challenge to do so

Become fluent and confident mathematicians

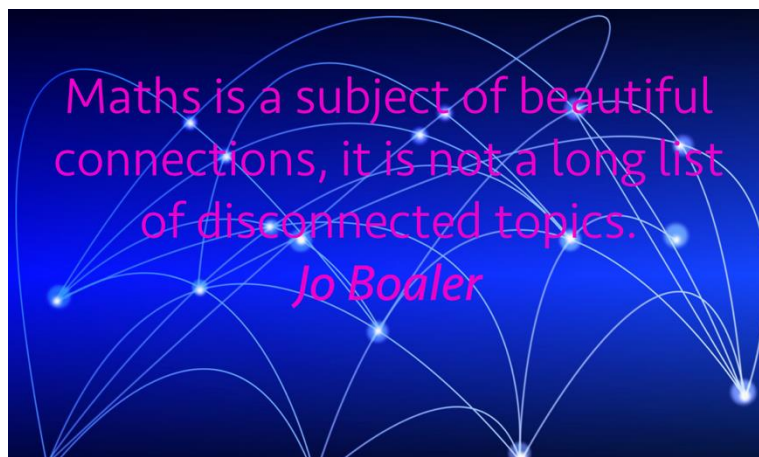
Develop a fascination and love of numbers

Solve given problems by reasoning

Explain their mathematical thinking clearly

Apply their mathematical skills in a wide range of situations

To achieve this aim, we have a 'mastery mathematics' approach; an approach which means that our staff have high expectations of ***all children*** and the belief that ***every child*** can feel successful and confident in their learning.



Implementation

Our mastery approach is present in all of our classrooms from Early Years to Year 6. In Early Years, we have specially trained staff who know how to stretch and challenge our pupils while focusing on the building blocks of understanding number.

From Early Years to Year 2, the children are engaged in a Mastering Number programme which involves daily, discrete sessions focussed purely on their understanding on number at a much deeper level than previously explored. The children use rekenreks and a range of other manipulatives as well as Number Blocks, with the aim that they leave Key Stage 1 with a solid foundation of number sense and the emergence of an ability to manipulate number which puts them in a fantastic position to readily take on the challenges of Key Stage 2.

All staff use a CPA approach to mathematics which means that our children use manipulatives to support their understanding, pictorial representations to demonstrate and build upon this understanding and will then demonstrate this understanding in the abstract.

This approach ensures a deeper knowledge of key mathematical concepts which can and will be developed as they move through their educational journeys with us.

To support the children's learning, and our mastery approach, we use Power Maths and White Rose to introduce and implement a small steps, progressive curriculum which focuses on mathematical thinking and language, problem solving and reasoning and guarantees that the children are always building upon what they have already learnt.

More recently, we have had a renewed focus on basic arithmetic and times table skills as well as using retrieval practice to support the children in knowing more and remembering more.

Impact

When pupils leave our school, pupil will know more, remember more, and understand more about Maths and its place in our world. They will be happy and confident in the knowledge that they learn and have learnt from their mistakes and will have a resilience which will be required of them for future life.

The majority of pupils will achieve age related expectation in Maths and clear progress will be evident in their Power Maths books and Times Table Check outcomes. Children will be confident in using a range of representations to show concepts and they will be able to apply these representations to a range of new problems in unfamiliar situations.

They will have the firm foundations in Mathematics and are well placed to make good progress at Key Stage 3.