

## Our Mathematics Vision

“Without mathematics, there’s nothing you can do. Everything around you is mathematics. Everything around you is number.” – Shakuntala Devi

At St. John Vianney, our vision for all children is that they become fluent mathematicians, who can problem solve and reason confidently and proudly.

We are developing a mastery curriculum, which is based on the Singapore Maths – No Problem! pedagogy and rooted in research. All children learn Maths at St. John Vianney through concrete, pictorial and abstract representations.

We have high expectations of all children, no matter their starting points. We aim that all young mathematicians at St John Vianney will:

- Activate and draw on prior knowledge when facing new concepts and problems in Maths;
- Become fluent in basic Maths facts, including number bonds, multiplication facts and related division facts;
- Ask questions about Maths and their own learning and understanding;
- Be confident in their own ability and be proud of their work and progress;
- Talk confidently about Mathematics in a range of contexts, including with a partner, in a group and in front of their peers;
- Manipulate number to solve new and varied mathematical problems;
- Become lifelong learners of maths;
- Use their mathematical skills across other curriculum areas;
- Challenge themselves every day, make mistakes, be fearless and take risks!

All children at St John Vianney are mathematicians.

“The only way to learn mathematics is to do mathematics” – Paul Halmos