TPS Mathematics

What is Mathematics like at TPS?

Mathematics may be taught as a lesson on its own or it may be integrated across the curriculum. There are three main strands, Number and Algebra, Geometry and Measurement, and Statistics. At TPS you will see these strands taught to the whole class, groups and individuals. Students are given opportunities to experience Maths challenges in collaboration with their peers, in ability groups, and in mixed ability situations. We aim to challenge our learners, and promote a growth mindset that recognises mistakes are part of the learning process.





Together, we are learning to go places Akongia tãtou, ngã haere ki wàhi kệ

Why is it important?

Maths is everywhere in real life. We need to give TPS learners important knowledge, skills and understanding in Maths, so that they can problem solve and use mathematical thinking and strategies to be successful. Wherever possible we use Maths in contexts that reflect our students' daily lives and cultural backgrounds.

We communicate in Maths in many ways, not just using numbers. We use a shared vocabulary across the school to understand and communicate our mathematical thinking and we call this "Talk Moves".

We value basic facts knowledge, and have a variety of programmes in place that aim to boost this. We recognise that students need effective strategies to calculate and check number problems. Once students are confident with a couple of strategies they are encouraged to explore others, so that ultimately they are able to choose the most efficient one.

Students are encouraged to learn from each other, as well as the teacher (Mahi Ngātahi). They have opportunities to work together and support their peers. As they progress through the school they are encouraged to lead their own learning, and carry out investigations.