

# Mathematics

## Mathematics – Pāngarau

The aim of mathematics is to develop students to use their mathematical knowledge and skills to enhance their participation and contribution in all aspects of their life.

- Principles of Our Mathematics Programme**
- School-wide targets based on the New Zealand Curriculum Mathematics Standards.
  - Differentiated teaching and learning to cater for individual needs.
  - Use of data to inform planning and teaching.
  - A balanced mathematics programme.
  - Evidence based strategies from current research with co-constructed, accessible Learning Intentions and Success Criteria.

- Structure**
- The achievement objectives are presented in Number and Algebra, Geometry and Measurement, and Statistics. It is important that students can see and make sense of the many connections within and across the three strands.
- **Number/ Algebra:**

    - Recognise, interpret and use mathematical ideas and information in an authentic context.
    - Understand and use a variety of strategies to efficiently solve problems.
    - See and use patterns in numbers, shapes and measures.
  - **Geometry and Measurement:**

    - Use and recognise properties of shapes.
    - use appropriate units and instruments of measurement and make calculations.
  - **Statistics**

    - Investigate, collect, interpret and present data.
    - Explore patterns and relationships

