



Using Maths Aotearoa and Wilkie Way to deliver the refreshed New Zealand Curriculum

There are no progress steps given for year 4 statistics. It is essential to look at the progress outcomes for year 6, along with the learning progressions and consider the stepping stones and learning opportunities students can build on to achieve all the progress outcomes specified for the end of the phase. Year 4 learning opportunities come from Book 2B of Maths Aotearoa as part of the structured approach to learning mathematical concepts, skills and knowledge. It builds onto the statistics from year 3 in focusing on systematic tools for sorting data including the use of technology. *Statistical investigations are used in inquiry situations across the curriculum and further learning experiences should be explored throughout the school year. Completing the statistics chapter early in the school year provides students with knowledge and skills to be used in other inquiries. Each chapter is linked to further learning experiences in Figure it Out books.*

Maths Aotearoa teacher books and student books are available from edify.co.nz

Wilkie Way members have access to Professional Resources on the teaching of statistical thinking

Phase 2: Year 4

Understand: (big ideas)	Do (practices)
<ul style="list-style-type: none"> • Maths is about seeking patterns and relationships • Maths is about working with change and variation • Maths involves reasoning - from observations and prior knowledge • Maths develops within different cultures • Maths is created by humans and therefore has a history and continues to evolve. 	Students will have learning opportunities to: <ul style="list-style-type: none"> • Investigate situations • Represent situations • Connect situations • Generalise findings • Explain and justify findings

Know: Context of Statistics

Maths Literacy Development

- Assistance with learning to use specialist vocabulary
- Assistance with reading & understanding math texts
- Assistance with creating and interpreting visual displays

Concepts being developed	Key knowledge being developed
<ul style="list-style-type: none"> • Statistical inquiry cycle • Sorting by more than attribute • Simple bi-variate data 	<ul style="list-style-type: none"> • Read and interpret tables of information • Create tables using technical tools

Maths Aotearoa Book 2B	Support Material available from Wilkie Way website wilkieWAY.co.nz: membership area (subscription)
Unit 13 Working with Data	Teacher Professional Resources:
Chapter 29 Sorting Data <ul style="list-style-type: none"> • Use a table to sort information • Using a word document to create a table • Understand the need for headings • Interpreting a table to answer specific questions • Explore using a spreadsheet to create a table • Explore using a spreadsheet to manipulate the data • Use the statistical inquiry cycle to plan and carry out an investigation 	Curriculum Knowledge: Statistics Pocket Guide: Developing Statistical Thinking Moderation Statistical Thinking Progressions Signposts 1 - 3 Statistical Thinking Progressions Signposts 3 - 6