



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

The Maths Aotearoa teacher books provide a sequenced approach to developing key number knowledge, skills and concepts. Likewise the knowledge, skills and concepts for statistical investigations are also built up over the series.

Book 2A provides activities to assist meeting the progress outcomes for end of phase 1 (Year 3). Statistical investigations are used in inquiry situations across the curriculum and further learning opportunities should be explored through out the school year.

Completing the statistics chapters early in the school year provide students with knowledge and skills to be used in other inquiries. Exposure to many different types of displays is a solid foundation for later statistical work.

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

*Wilkie Way members also have access to Professional Resources on the teaching of statistical thinking
Further Figure it Out activities are referenced in the Maths Aotearoa teacher book*

Phase 1: Year 3

Understand: (big ideas)	Do (practices)
<ul style="list-style-type: none"> Maths is about seeking patterns Maths is about change and variation Maths involves reasoning - from observations Maths develops within different cultures Maths is created by humans and therefore has a history and continues to evolve. 	Students will have learning opportunities, and be guided 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 and using 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 one attribute 	<ul style="list-style-type: none"> Data Displays - tally charts, pictographs, bar charts, line graphs, pie chart Different sorting tools and displays - Venn diagrams, Carroll diagrams, yes/no trees

Maths Aotearoa Book 2A	Support Material available from Wilkie Way website wilkieWAY.co.nz: membership area (subscription)
<p>Unit 13 Working with Data</p> <p>Chapter 29 Gathering and Displaying Data</p> <ul style="list-style-type: none"> • Plan the collection of data to answer a question • Collect, record and sort data • Create a bar chart • Interpret a line graph • Understand the need for labels on a visual display • Answer questions based on the data <p>Chapter 30 Sorting Data</p> <ul style="list-style-type: none"> • Identify attributes and the absence of an identified attribute • Sort qualitative data using Venn diagrams • Sort qualitative data using Carroll diagrams • Sort qualitative data using yes/no tree diagrams 	<p>Teacher Professional Resources:</p> <p>Curriculum Knowledge:</p> <p>Statistics Pocket Guide: Statistical Thinking</p> <p>Moderation Statistical Thinking Progressions Signposts 1 - 3</p>