



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

Progress outcomes for year 6 are more specific and work in year 4 and 5, through books 2B and 3A have provided foundational work to achieve the progress outcomes. Year 6 learning opportunities come from Book 3B of Maths Aotearoa as part of the structured approach to learning mathematical concepts, skills and knowledge. 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 opportunities in Figure it Out

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 6

Understand: (big ideas)	Do (practices)
<ul style="list-style-type: none"> Use maths to seek and understand patterns and relationships Use maths to work with and make sense of change and variation Use maths logic & reasoning to explain relationships and justify conclusions Make use of different cultural views and ideas about mathematics Embrace the history and evolution of mathematics 	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

- Use specialist vocabulary with increasing confidence
- Read & understand math texts with increasing confidence
- Confidently create and interpreting visual displays

Concepts being developed	Key knowledge being developed
<ul style="list-style-type: none"> Statistical inquiry cycle Multi-variate data Quantitative data (number data) Qualitative data (category data) Proportional thinking 	<ul style="list-style-type: none"> Data displays: bar charts, strip graphs, pie charts, dot plots, stem and leaf graphs Use fractions and percentages Use simple linear equations

Maths Aotearoa Book 3B	Support Material available from Wilkie Way website wilkieWAY.co.nz: membership area (subscription)
<p>Unit 12: Statistical Investigations</p> <p>Chapter 29 Collecting, Displaying and Interpreting Data</p> <ul style="list-style-type: none"> • Interpret information from a range of data displays to answer investigative questions • Explain and justify conclusions drawn from data displays through “interrogation” of the data • Use probability ideas in a statistical investigation • Identify trends in a data set in a specific context • Use the statistical inquiry cycle to carry out an investigation. <p>Chapter 30 Using Computers for Statistics</p> <ul style="list-style-type: none"> • Enter and sort data on a spreadsheet • Further explore using spreadsheets • Use information in a spreadsheet to answer numeric questions • Create simple formulae within a spreadsheet 	<p>Teacher Professional Resources:</p> <p>Curriculum Knowledge:</p> <p>Statistics Pocket Guide: Further Developing Statistical Thinking</p> <p>Moderation Statistical Thinking Progressions Signposts 3 - 6</p>