



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 probability 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). Probability investigations and learning experiences occur in situations across the curriculum. Language of chance is often used in everyday speak without the preciseness of meaning as in a probability situation.

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 Probability

Maths Literacy Development

- Assistance with learning and using vocabulary of chance
- Assistance with reading & understanding math texts

Concepts being developed	Key knowledge being developed
<ul style="list-style-type: none"> Uncertainty Random nature of chance 	<ul style="list-style-type: none"> Extend language of chance to include possible, impossible, likely and unlikely

Maths Aotearoa Book 2A

Support Material available from Wilkie Way website wilkieway.co.nz: membership area (subscription)

Unit 14: Probability	Teacher Professional Resources: Curriculum Knowledge: Statistics Pocket Guide: Statistical Thinking
Chapter 31 Probability - What Chance? <ul style="list-style-type: none"> Explore chance based investigative activities Collect and record data to answer chance based investigative questions Use language of chance in a variety of situations Understand and accept uncertainty Begin to appreciate there is a continuum between possible and impossible and outside factors can influence the chance of an event happening or not. 	Moderation Statistical Thinking Progressions Signposts 1 - 3