



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

Maths Aotearoa Book 2A provides a range of learning opportunities building onto knowledge and concepts developed in year 2. These learning opportunities enable students to achieve the outcomes expected in year 3. The teacher book also provides links to further learning opportunities in the MOE Figure it Out series available in all schools. Probability investigations and learning experiences occur in situations across the curriculum. The language of chance is often used in everyday speech without the preciseness of meaning as in a probability investigative 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

Phase 1: Year 3

Understand: (big ideas)

As students build knowledge through their use of the mathematical and statistical processes, they begin to understand:

- Patterns and variation
- Logic and reasoning
- Visualisation and application

Do (practices)

Students will have learning opportunities, and be guided to:

- Investigate situations
- Represent situations
- Connect situations
- Generalise findings
- Explain and justify findings

Know: Context of Probability

Probability Investigations

Engage in chance based investigations about games and everyday situations to:

- anticipate and then identify possible outcomes
- collect and record data
- create data visualisations for frequencies of possible outcomes
- describe what these visualisations show
- answer the investigative question
- notice variations in outcomes

Critical Thinking in probability

Explain and question statements about chance-based situations, with reference to data.

Maths Literacy Development

- Assistance with learning and using vocabulary of chance
- Assistance with reading & understanding math texts
- See the vocabulary list in the curriculum document

Concepts being developed

- Uncertainty
- Random nature of chance

Key knowledge being developed

- 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:
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. 	Curriculum Knowledge: Statistics Pocket Guide: Statistical Thinking Moderation Statistical Thinking Progressions Signposts 1 - 3