



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

There are no progress steps given for year 5 probability. 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 5 learning opportunities come from Book 3A of Maths Aotearoa as part of the structured approach to learning mathematical concepts, skills and knowledge building onto activities from year 4 (Book 2B)

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 also have access to Professional Resources on the teaching of statistical thinking

Phase 2: Year 5

Understand: (big ideas)

- 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

Do (practices)

Students will have learning opportunities to:

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

Know: Context of Probability

Maths Literacy Development

- Assistance with learning to use vocabulary of chance
- Assistance with reading & understanding math texts involving probability concepts.

Concepts being developed

- Proportional Ideas
- Role of chance in decision making
- Equality or inequity
- Certainty or uncertainty

Key knowledge being developed

- Know the probability range from Certain (100%) to impossible (0%)
- Know 50% as an even chance

Maths Aotearoa Book 3A

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

Unit 11: Probability

Chapter 29 What Chance?

- From investigative activities/games identify an even chance
- Collect and record data to answer chance based investigative questions
- Make predictions and draw conclusions based on the data available
- Compare findings with those of others
- Compare experimental results with expected outcomes

Teacher Professional Resources:

Curriculum Knowledge:

Statistics

Pocket Guide: Further Developing Statistical Thinking

Moderation

Statistical Thinking Progressions Signposts 1 - 3

Statistical Thinking Progressions Signposts 3 - 6