



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

There are no progress steps given for year 4 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 4 learning opportunities come from Book 2B of Maths Aotearoa as part of the structured approach to learning mathematical concepts, skills and knowledge. It builds onto the probability progress outcomes from phase one. *Each chapter is linked to further learning experiences in Figure it Out books.*

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 4

Understand: (big ideas)

- Maths is about seeking patterns and relationships
- Maths is about working with change and variation
- Maths involves reasoning - from observations and prior knowledge
- Maths develops within different cultures
- Maths is created by humans and therefore has a history and continues to evolve.

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

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

Key knowledge being developed

- Extend language to include certain, possible, likely, unlikely, impossible, more of a chance, less of a chance, fair, unfair

Maths Aotearoa Book 2B

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

Unit 14 Probability

Chapter 30 Probability

- Explore chance based investigative activities
- Collect and record data to answer chance based investigative activities
- Consider the likelihood of an outcome
- Consider situations as fair or unfair
- Use the language of chance in a variety of situations

Teacher Professional Resources:

Curriculum Knowledge:

Statistics

Pocket Guide: Developing Statistical Thinking

Moderation

Statistical Thinking Progressions Signposts 1 - 3

Statistical Thinking Progressions Signposts 3 - 6