



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

There are currently no progress steps given for year 7 so it is essential to look at the progress outcomes for year 8 and consider the types of learning experiences that students require to build up to achieving the progress outcomes at the end of year 8. The learning experiences are taken from book 4A and work towards the progress outcomes as written for year 8. 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 3: Year 7

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

- Confidently use specialist vocabulary associated with probability
- Confidently read & understand math texts.
- Confidently create and interpreting a wide variety of visual displays

Concepts being developed

- Statistical inquiry cycle
- Proportional thinking
- Role of chance in decision making

Key knowledge being developed

- Know how to use a decision tree
- Use equivalent fractions
- Use percentages

Maths Aotearoa Book 4A

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

Unit 8: Statistics and Probability

Chapter 24 Probability

- Plan conduct and systematically record data from probability experiments
- Use a decision tree to find all possible outcomes
- Use a decision tree to determine the frequency of an event
- Describe chance as a fraction or a percentage

Teacher Professional Resources:

Curriculum Knowledge:

Statistics

Pocket Guide: Further Developing Statistical Thinking

Moderation

Statistical Thinking Progressions Signposts 3 - 6