



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

Year 8 progress outcomes for probability can be met with activities from book 4B and learning experiences in the linked Figure it Out activities. There are plenty more activities that students could do to investigate probability and discussions may include gambling, lotto etc. 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](http://edify.co.nz)*

Wilkie Way members have access to Professional Resources on the teaching of statistical thinking

### Phase 3: Year 8

Understand: (big ideas)	Do (practices)
<ul style="list-style-type: none"> <li>Use maths to seek and understand patterns and relationships</li> <li>Use maths to work with and make sense of change and variation</li> <li>Use maths logic &amp; reasoning to explain relationships and justify conclusions</li> <li>Make use of different cultural views and ideas about mathematics</li> <li>Embrace the history and evolution of mathematics</li> </ul>	Students will have learning opportunities to: <ul style="list-style-type: none"> <li>Investigate situations</li> <li>Represent situations</li> <li>Connect situations</li> <li>Generalise findings</li> <li>Explain and justify findings</li> </ul>

### 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	Key knowledge being developed
<ul style="list-style-type: none"> <li>Statistical inquiry cycle</li> <li>Proportional thinking</li> <li>Theoretical models for probability</li> </ul>	<ul style="list-style-type: none"> <li>Use appropriate data collection tools</li> <li>Use equivalent fractions</li> <li>Use percentages</li> </ul>

### Maths Aotearoa Book 4B

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

### Unit 8: Statistics and Probability

#### Chapter 24 Probability

- Plan conduct and systematically record data from probability experiments
- Use fractions and percentages to describe frequency
- Make predictions based on expected outcomes
- Recognise variance between experimental results and models of expected outcomes

#### Teacher Professional Resources:

#### Curriculum Knowledge:

#### Statistics

Pocket Guide: Further Developing Statistical Thinking

#### Moderation

Statistical Thinking Progressions Signposts 3 - 6