



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 and provide foundations for work in phase 4. Statistical investigations are used in inquiry situations across the curriculum and further learning experiences should be explored throughout the school year. Completing the statistics chapters early in the school year provides students with knowledge and skills to be used in other inquiries.

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)	Do (practices)
<ul style="list-style-type: none"> 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 	Students will have learning opportunities to: <ul style="list-style-type: none"> Investigate situations Represent situations Connect situations Generalise findings Explain and justify findings
Know: Context of Statistics	
Maths Literacy Development	
<ul style="list-style-type: none"> Confidently use specialist vocabulary associated with statistics 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"> Statistical inquiry cycle Data collected over time Multi-variate data Quantitative data (number data) Qualitative data (category data) Proportional thinking 	<ul style="list-style-type: none"> Variety of data displays Use fractions and percentages Use simple linear equations Importance of labels Importance of units of measure

Maths Aotearoa Book 4A	Support Material available from Wilkie Way website wilkieWAY.co.nz: membership area (subscription)
<p>Unit 8: Statistics and Probability</p> <p>Chapter 22 Time Series Graphs</p> <ul style="list-style-type: none"> • Interpret and answer questions from time series graphs • Make assertions based on the data • Interrogate the data and identify and explain features and errors in other's data visualisations and statements about the data. <p>Chapter 23 Interpreting Data Displays</p> <ul style="list-style-type: none"> • Use the data inquiry cycle • Pose questions about school contexts • Plan how to collect data • Read and interpret a variety of data displays • Identify errors in the data • Make comparisons within and between data displays • Identify features, patterns and trends • Draw conclusions and give reasons based on the context of the data. 	<p>Teacher Professional Resources:</p> <p>Curriculum Knowledge:</p> <p>Statistics Pocket Guide: Further Developing Statistical Thinking</p> <p>Moderation Statistical Thinking Progressions Signposts 3 - 6</p>