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

The Maths Aotearoa teacher book 1B is set out in 4 units providing a sequenced approach to developing key number knowledge, skills and concepts. No progress steps are given for statistics in year 2 but sorting and classify are the most fundamental skills for working with numbers, shapes and category data. Statistics and probability can be found in Unit 1 in the Book 1B. It builds on from year 1 as students can begin to learn about collecting data for a specific purpose; to answer a question or prove an assertion. Likewise they can learn about ways of displaying data to create a visual picture for making additive comparisons including equality. The probability progress step for year 2 extends the introduction of the language of chance from year 1 and the same activities as given in Book 1A can be used to identify possible outcomes and notice variations in outcomes.

Maths Aotearoa teacher books and activity cards are available from edify.co.nz
Wilkie Way members also have access to Professional Resources on the teaching of statistical thinking

Phase 1: Year 2

Understand: (big ideas)	Do (practices)
• Maths is about seeking patterns • Maths is about change and variation • Maths involves reasoning - from observations • Maths develops within different cultures • Maths is created by humans and therefore has a history and continues to evolve.	Students will have learning opportunities, and be guided to: • Investigate situations • Represent situations • Connect situations • Generalise findings • Explain and justify findings

Know: Context of Statistics and Probability

Maths Literacy Development

• Assistance with using the language of chance
• Assistance with using the language of number comparison
• Assistance with creating and interpreting visual displays

Concepts being developed	Key knowledge being developed
• Additive comparison • Equality • Variation and chance • Statistical inquiry cycle • Prediction • Estimation	• Ask questions - How many? How many more/less? • Make assertions • More/Less • Most/Least

Maths Aotearoa Book 1B

Unit 1: Understanding Addition and Subtraction		Support Material available from Wilkie Way website wilkieway.co.nz: membership area (subscription)
Element 5 Exploring Statistics and Probability With teacher assistance: • Pose a question or assertion • Decide the data to be collected • Collect the data • Use tally marks as a data collection tool • Display the data in a pictograph or bar chart • Answer questions based on the data • Draw conclusions around the question asked or assertion made • Identify possible outcomes and notice variations in outcomes	**Maths Aotearoa Activity Cards** Activity Cards 26 - 28 **BLM** 7 - 11	**Teacher Professional Resources** **Curriculum Knowledge** **Statistics** Pocket Guide: Beginning Statistical Thinking **Moderation** Statistical Thinking Progressions Signposts 1 - 3