



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

Maths Aotearoa teacher book 1A is set out in 4 units providing a sequenced approach to developing key number knowledge, skills and concepts.

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 1

Understand: (big ideas)

As students build knowledge through their use of the mathematical and statistical processes, they begin to understand:

- Patterns and variation
- Logic and reasoning
- Visualisation and application

Do (practices)

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

Problem: Pose a summery investigative question about a group for which the data will have categorical variables and anticipate what the data might show.

Plan: Plan to collect data by making observations of questioning others, and discuss how the data gathering process might affect people.

Data: Collect categorical data for one variable

Analysis: Create and make statements about data visualisations, e.g. pictures, graphs, dot plots, for categorical data, giving the frequency for each category.

Conclusion: Choose from given options the statements that best answer the investigative question.

Statistical literacy: Agree or disagree with others' statements about simple data visualisations.

Maths Literacy Development

- Assistance with adjectives to emphasise visual same and different
- Assistance with creating and interpreting visual displays
- See vocabulary list in curriculum document

Concepts being developed

- Attribute identification
- Relationships
- One to one counting

Key knowledge being developed

- Colours (English & Te reo Maori)
- Language of visual attributes

Maths Aotearoa Book 1A

Unit 1: Making Sense of Small Numbers

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

Element 1 Sorting and Matching

- Describe their criteria for sorting
- Use a relationship arrow to record a relationship between objects or events
- Interpret a non-uniform pictograph as a category data display
- Use developing counting skills

Maths Aotearoa Activity Cards

Activity Cards 1 - 3

BLM 1 - 4

Teacher Professional Resources

Curriculum Knowledge

Statistics

Pocket Guide: Beginning Statistical Thinking

Students Resources

Sorting & Matching