



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

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

Measurement activities are found in unit 3 but they can be used at any time during the school year. You may choose to focus on specific measurement attributes at different times during the school year.

A focus on language development for all attributes should continue at all times during everyday activities.

Suggested activities are provided in the teacher book, some referring to the activity cards

Blackline masters (included in the teacher book) provide follow up work to activities or further learning opportunities.

*Maths Aotearoa teacher books and activity cards are available from [edify.co.nz](http://edify.co.nz)*

*Wilkie Way members also have access to Professional Resources on the teaching of early measurement and Practice workbooks with guided activities and follow up (useful for assessment purposes)*

### Phase 1: Year 1

#### Understand: (big ideas)

- 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.

#### 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 Measurement

#### Maths Literacy Development

- Assistance with learning and using specialist vocabulary.
- Assistance with reading & understanding math texts.

#### Concepts being developed

- Developing an understanding of attributes that can be measured
- Understand measurements are a comparison within a chosen measurement

#### Key knowledge being developed

- Comparative and ordering language of length
- Comparative and ordering language of mass
- Comparative and ordering language of capacity
- Language of Time

## Maths Aotearoa Book 1A

### Unit 3: Combining, Comparing & Ordering

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

#### **Element 2 - Attributes of Measure**

- Identify an attribute to measure
- Use language of measurement in everyday activities
- Name and order the days of the week

#### **Maths Aotearoa Activity Cards**

Cards 4 & 5 Length  
Card 6 Capacity  
Card 7 Temperature  
Card 8 Capacity & Temperature

BLM 6 Capacity  
BLM 7 & 8 Time  
BLM 9 - 12 Temperature

#### **Teacher Professional Resources:**

Curriculum Knowledge: Measurement  
Pocket Guide: Beginning Measure  
Powerpoint: The development of Measurement Concepts & their alignment with number ideas  
Article: Developing a linguistic and conceptual understanding of measurement

#### **1A Practice Workbooks**

1. Compare & Order Lengths
  2. Compare & Order Mass
  3. Compare & order Capacity
  4. Developing Ideas About time
- Teacher Notes for workbooks 1 - 4

#### **Element 3 Comparing Measures**

- Directly compare objects within a specific measurement attribute using the appropriate language of measure
- Order objects with a specific measurement attribute

#### **Maths Aotearoa Activity Cards**

Card 9 Time & length  
Card 10 & 11 Length  
Card 12 Mass  
Card 13 capacity  
Card 14 Length  
Card 15 Length, volume

BLM 13 - 16 Length  
BLM 17 Capacity  
BLM 18 & 19 Mass  
BLM 20 - 23 Length  
BLM 24 - 25 Mass  
BLM 26 Length (Intro to area)