



# 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.

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)	Do (practices)
As students build knowledge through their use of the mathematical and statistical processes, they begin to understand: <ul style="list-style-type: none"> <li>• Patterns and variation</li> <li>• Logic and reasoning</li> <li>• Visualisation and application</li> </ul>	Students will have learning opportunities, and be guided 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 Measurement

Measuring	Perimeter, area & volume
Compare the length, mass, volume or capacity of objects directly or indirectly. Connect days of the week to familiar events and daily routings. Identify how the passing of time is measured in years, months, weeks, days, hours Name and order the days of the week and sequence events in a day using everyday language of time. Tell the time to the hour using the language of o'clock	

## Maths Literacy Development

- Assistance with learning and using specialist vocabulary.
- Assistance with reading & understanding math texts.
- See vocabulary list in curriculum document

Concepts being developed	Key knowledge being developed
<ul style="list-style-type: none"> <li>• Developing an understanding of attributes that can be measured</li> <li>• Understand measurements are a comparison within a chosen measurement</li> </ul>	<ul style="list-style-type: none"> <li>• Comparative and ordering language of length</li> <li>• Comparative and ordering language of mass</li> <li>• Comparative and ordering language of capacity</li> <li>• Language of Time</li> </ul>

## 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)