National Curriculum Links

Australian Curriculum for Mathematics

This maps entries in the **Australian Mathematics Curriculum (from Foundation Stage to Year 7)** to the content of chapters of Haylock & Manning, *Mathematics Explained for Primary Teachers*, Australian edition.

# Chapter 21: Concepts and principles of measurement

## Foundation Year

* Use direct and indirect comparisons to decide which is longer, heavier or holds more, and explain reasoning in everyday language
* Compare and order the duration of events using the everyday language of time
* Connect days of the week to familiar events and actions

## Year 1

* Measure and compare the lengths and capacities of pairs of objects using uniform informal units
* Tell time to the half-hour
* Describe duration using months, weeks, days and hours

## Year 2

* Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units
* Compare masses of objects using balance scales
* Tell time to the quarter-hour, using the language of ‘past’ and ‘to’
* Name and order months and seasons
* Use a calendar to identify the date and determine the number of days in each month

## Year 3

* Measure, order and compare objects using familiar metric units of length, mass and capacity
* Tell time to the minute and investigate the relationship between units of time

## Year 4

* Use scaled instruments to measure and compare lengths, masses, capacities and temperatures
* Convert between units of time
* Use am and pm notation and solve simple time problems

## Year 5

* Choose appropriate units of measurement for length, … capacity and mass
* Compare 12- and 24-hour time systems and convert between them

## Year 6

* Convert between common metric units of length, mass and capacity
* Connect decimal representations to the metric system
* Solve problems involving the comparison of lengths … using appropriate units
* Interpret and use timetables