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.

# Chapters 26–27: Handling data and comparing sets of data

## Foundation Year

* Answer yes/no questions to collect information

## Year 1

* Choose simple questions and gather responses
* Represent data with objects and drawings where one object or drawing represents one data value. Describe the displays

## Year 2

* Identify a question of interest based on one categorical variable. Gather data relevant to the question
* Collect, check and classify data
* Create displays of data using lists, table and picture graphs and interpret them

## Year 3

* Identify questions or issues for categorical variables
* Identify data sources and plan methods of data collection and recording
* Collect data, organize into categories and create displays using lists, tables, picture graphs and simple column graphs, with and without the use of digital technologies
* Interpret and compare data displays

## Year 4

* Select and trial methods for data collection, including survey questions and recording sheets
* Construct suitable data displays, with and without the use of digital technologies, from given or collected data. Include tables, column graphs and picture graphs where one picture can represent many data values
* Evaluate the effectiveness of different displays in illustrating data features including variability

## Year 5

* Pose questions and collect categorical or numerical data by observation or survey
* Construct displays, including column graphs, dot plots and tables, appropriate for data type, with and without the use of digital technologies
* Describe and interpret different data sets in context

## Year 6

* Interpret and compare a range of data displays, including side-by-side column graphs for two categorical variables
* Interpret secondary data presented in digital media and elsewhere

## Year 7

* Identify and investigate issues involving numerical data collected from primary and secondary sources
* Construct and compare a range of data displays including stem-and-leaf plots and dot plots
* Calculate mean, median, mode and range for sets of data. Interpret these statistics in the context of data
* Describe and interpret data displays using median, mean and range