Food and wellbeing: Mathematics

Mathematics

The Australian Curriculum addresses learning about food and wellbeing predominantly in Health and Physical Education (HPE) and Design and Technologies, however there are opportunities to make connections with aspects of Mathematics, particularly Measurement and geometry and Statistics and probability.

Food and wellbeing dimensions

Mathematics - Years 3 and 4

Year 3
Measurement and geometry
Using units of measurement
Content description with elaborations
Measure, order and compare objects using familiar metric units of length, mass and capacity (ACMMG061)
- recognising the importance of using common units of measurement
- recognising and using centimetres and metres, grams and kilograms, and millilitres and litres

Year 4
Number and algebra
Money and financial mathematics
Content descriptions with elaborations
Solve problems involving purchases and the calculation of change to the nearest five cents with and without digital technologies (ACMNA080)
- carrying out calculations in another currency as well as in dollars and cents, and identifying both as decimal systems

Statistics and probability
Data representation and interpretation
Content descriptions with elaborations
Select and trial methods for data collection, including survey questions and recording sheets (ACMSP095)
- comparing the effectiveness of different methods of collecting data
- choosing the most effective way to collect data for a given investigation

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 (ACMSP096)
- exploring ways of presenting data and showing the results of investigations
- investigating data displays using many-to-one correspondence

Evaluate the effectiveness of different displays in illustrating data features including variability (ACMSP097)
- interpreting data representations in the media and other forums in which symbols represent more than one data value
- suggesting questions that can be answered by a given data display and using the display to answer questions