

Australian Curriculum Mathematics Alignment Document_V8.1

Year 2

Content Descriptors	Elaboration	Math-U-See linkage
Number and Algebra		
Number and Place Value		
Investigate number sequences, initially those increasing and decreasing by twos, threes, fives and ten from any starting point, then moving to other sequences. (ACMNA026)	<ul style="list-style-type: none"> Developing fluency and confidence with numbers and calculations by saying number sequences Recognising patterns in number sequences, such as adding 10 always results in the same final digit 	Alpha lesson 6, 11, 13 Alpha activity 6x, 9x, 11x, 13x, 20x, 27x Beta lesson 6, 8, 21 Gamma lesson 3, 4, 5, 6
Recognise, model, represent and order numbers to at least 1000 (ACMNA027)	<ul style="list-style-type: none"> Recognising there are different ways of representing numbers and identifying patterns going beyond 100 Developing fluency with writing numbers in meaningful contexts 	Primer lesson 10 Alpha lesson 1 Beta lesson 1, 2
Group, partition and rearrange collections up to 1000 in hundreds, tens and ones to facilitate more efficient counting (ACMNA028)	<ul style="list-style-type: none"> Using an abacus to model and represent numbers Understanding three-digit numbers as comprised of hundreds, tens and ones/units Demonstrating and using models such as linking blocks, sticks in bundles, place-value blocks and Aboriginal bead strings and explaining reasoning 	Primer lesson 10, 20 Alpha lesson 1, 9, 10, 13, 15 Beta lesson 1, 2, 5, 7, 13, 20, 23, 25
Explore the connection between addition and subtraction (ACMNA029)	<ul style="list-style-type: none"> Becoming fluent with partitioning numbers to understand the connection between addition and subtraction Using counting on to identify the missing element in an additive problem 	Primer lesson 21, 29, 30 Alpha lesson 8, 18 – 30 Alpha test and activity booklet Beta lesson 5, 7, 13, 20, 22, 24
Solve simple addition and subtraction problems using a range of efficient mental and written strategies (ACMNA030)	<ul style="list-style-type: none"> Becoming fluent with a range of mental strategies for addition and subtraction problems, such as commutativity for addition, building to 10, doubles, 10 facts and adding 10 Modelling and representing simple additive situations using materials such as 10 frames, 20 frames and empty number lines 	Primer lesson 20, 21, 24 Alpha lesson 5, 7, 8, 9, 10, 12, 14 – 30 Alpha test and activity booklet Beta lesson 7, 13, 20, 22, 24
Recognise and represent multiplication as repeated addition, groups and arrays (ACMNA031)	<ul style="list-style-type: none"> Becoming fluent with a range of mental strategies for addition and subtraction problems, such as commutativity for addition, building to 10, doubles, 10 facts and adding 10 	Gamma lesson 1, 2, 3, 4, 5, 6

	<ul style="list-style-type: none"> Modelling and representing simple additive situations using materials such as 10 frames, 20 frames and empty number lines 	
Recognise and represent division as grouping into equal sets and solve simple problems using these representations (ACMNA032)	<ul style="list-style-type: none"> Dividing the class or a collection of objects into equal-sized groups Identifying the difference between dividing a set of objects into three equal groups and dividing the same set of objects into groups of three 	Delta lesson 2, 3, 4
Fractions and decimals		
Recognise and interpret common uses of halves, quarters and eighths of shapes and collections (ACMNA033)	<ul style="list-style-type: none"> Recognising that sets of objects can be partitioned in different ways to demonstrate fractions Relating the number of parts to the size of a fraction 	Delta lesson 29 Epsilon lesson 2
Money and financial mathematics		
Count and order small collections of Australian coins and notes according to their value (ACMNA034)	<ul style="list-style-type: none"> Identifying equivalent values in collections of coins or notes, such as two five-cent coins having the same value as one 10-cent coin Counting collections of coins or notes to make up a particular value, such as that shown on a price tag 	Primer lesson 19, 22 Beta lesson 8, 13 Gamma lesson 5, 6, 26
Patterns and algebra		
Describe patterns with numbers and identify missing elements (ACMNA035)	<ul style="list-style-type: none"> Describing a pattern created by skip counting and representing the pattern on a number line Investigating features of number patterns resulting from adding twos, fives or 10s 	Primer lesson 17, 19, 22, 25 Alpha lesson 6, 11, 13 Beta lesson 6 Gamma lesson 3, 5, 6
Solve problems by using number sentences for addition or subtraction (ACMNA036)	<ul style="list-style-type: none"> Representing a word problem as a number sentence Writing a word problem to represent a number sentence 	Primer lesson 21 Alpha test and activity booklet Beta lesson 2

Measurement and Geometry		
Using units of measurement		
Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units (ACMMG037)	<ul style="list-style-type: none"> Comparing lengths using finger length, hand span or a piece of string Comparing areas using the palm of the hand or a stone Comparing capacities using a range of containers 	
Compare masses of objects using balance scales (ACMMG038)	<ul style="list-style-type: none"> Using balance scales to determine whether the mass of different objects is more, less or about the same, or to find out how many marbles are needed to balance a tub of margarine or a carton of milk 	
Tell time to the quarter-hour, using the language of 'past' and 'to' (ACMMG039)	<ul style="list-style-type: none"> Describing the characteristics of quarter-past times on an analogue clock, and identifying that the small hand is pointing just past the number and the big hand is pointing to the three 	Beta lesson 24
Name and order months and seasons (ACMMG040)	<ul style="list-style-type: none"> Investigating the seasons used by Aboriginal people, comparing them to those used in Western society and recognising the connection to weather patterns. 	Bets lesson 26
Use a calendar to identify the date and determine the number of days in each month(ACMMG041)	<ul style="list-style-type: none"> Using calendars to locate specific information, such as finding a given date on a calendar and saying what day it is, and identifying personally or culturally specific days 	Beta lesson 26
Shape		
Describe and draw two-dimensional shapes, with and without digital technologies (ACMMG042)	<ul style="list-style-type: none"> Identifying key features of squares, rectangles, triangles, kites, rhombuses and circles, such as straight lines or curved lines, and counting the edges and corners 	Gamma lesson 1
Describe the features of three-dimensional objects (ACMMG043)	<ul style="list-style-type: none"> Identifying geometric features such as the number of faces, corners or edges 	
Location and transformation		
Interpret simple maps of familiar locations and identify the relative positions of key features (ACMMG044)	<ul style="list-style-type: none"> Understanding that we use representations of objects and their positions, such as on maps, to allow us to receive and give directions and to describe place Constructing arrangements of objects from a set of directions 	
Investigate the effect of one-step slides and flips with and without digital technologies (ACMMG045)	<ul style="list-style-type: none"> Understanding that objects can be moved but changing position does not alter an object's size or features 	
Identify and describe half and quarter turns (ACMMG046)	<ul style="list-style-type: none"> Predicting and reproducing a pattern based around half and quarter turns of a shape and sketching the next element in the pattern 	

Statistics and Probability		
Chance		
Identify practical activities and everyday events that involve chance. Describe outcomes as 'likely' or 'unlikely' and identify some events as 'certain' or 'impossible' (ACMSP047)	<ul style="list-style-type: none"> Classifying a list of everyday events according to how likely they are to happen, using the language of chance, and explaining reasoning 	
Data representation and interpretation		
Identify a question of interest based on one categorical variable. Gather data relevant to the question (ACMSP048)	<ul style="list-style-type: none"> Determining the variety of birdlife in the playground and using a prepared table to record observations 	
Collect, check and classify data (ACMSP049)	<ul style="list-style-type: none"> Recognising the usefulness of tally marks Identifying categories of data and using them to sort data 	Primer lesson 22 Beta lesson 26
Create displays of data using lists, table and picture graphs and interpret them (ACMSP050)	<ul style="list-style-type: none"> Creating picture graphs to represent data using one-to-one correspondence Comparing the usefulness of different data displays 	

Curriculum gaps:

Using units of measure

Features of 3D objects

Location and transformation

Chance

Data displays