

# Mathletics

## Australian Curriculum

### Skill Quests



Years 1 – 2

July, 2022

Mathletics

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Australian Curriculum 2022

Skill Quests

July, 2022

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# Year 1

## Number

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M1N01 - recognise, represent and order numbers to at least 120 using physical and virtual materials, numerals, number lines and charts	AUS AC Year 01	Whole number – counting	Count forwards and backwards to 100
	AUS AC Year 01		Find numbers before and after to 100
	AUS AC Year 01	Whole number – place value	Compare and order numbers to 100
	AUS AC Year 01	Whole number – counting	Identify ordinal numbers up to 31st
AC9M1N02 - partition one- and two-digit numbers in different ways using physical and virtual materials, including partitioning two-digit numbers into tens and ones	AUS AC Year 01	Addition and subtraction	Recognise and recall bonds to 10
	AUS AC Year 01	Whole number - counting collections	Identify place value up to 2 digits
	AUS AC Year 01		Solve problems using place value up to 2 digits
	AUS AC Year 01		Partition 2-digit numbers (standard)
	AUS AC Year 01		Partition 2-digit numbers (non-standard)
	AUS AC Year 01	Whole number – place value	Model, read, write and count 2-digit numbers
AC9M1N03 - quantify sets of objects, to at least 120, by partitioning collections into equal groups using number knowledge and skip counting	AUS AC Year 01	Whole number - skip counting	Skip count by 2s
	AUS AC Year 01		Skip count by 5s
	AUS AC Year 01		Skip count by 10s
	AUS AC Year 01		Skip count by 2s, 5s and 10s
	AUS AC Year 01	Whole number - counting collections	Count collections 0 to 100
	AUS AC Year 01		Use groups of 10 to count large collections
	AUS AC Year 01		Solve problems with 2-digit numbers number lines
AC9M1N04 - add and subtract numbers within 20, using physical and virtual materials, part-part-whole knowledge to 10 and a variety of calculation strategies	AUS AC Year 01	Addition and subtraction	Model and record combinations that make 5 – 9
	AUS AC Year 01		Model and record combinations that make 11 – 20
	AUS AC Year 01		Add zero to a number (up to 20)

	AUS AC Year 01		Introduce the commutative property of addition
	AUS AC Year 01		Add doubles up to 20
	AUS AC Year 01		Add and subtract near doubles
	AUS AC Year 01		Find the difference between 2 numbers (to 20)
	AUS AC Year 01		Add compatible numbers (doubles or bonds to 10)
	AUS AC Year 01		Explore equality and inequality up to 10 and 20
AC9M1N05 - use mathematical modelling to solve practical problems involving additive situations, including simple money transactions; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem	AUS AC Year 01	Addition and subtraction	Solve addition and subtraction word problems
AC9M1N06 - use mathematical modelling to solve practical problems involving equal sharing and grouping; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem	AUS AC Year 02	Multiplication and division	Explore arrays (no x symbol)

## Activities

Outcome	Existing Course	Topic	Activity Title
AC9M1N01 - recognise, represent and order numbers to at least 120 using physical and virtual materials, numerals, number lines and charts	AUS Yr 01 Australian Curriculum Aligned	NA Whole Numbers	Going Up
	AUS Yr 01 Australian Curriculum Aligned		Going Down
	AUS Yr 01 Australian Curriculum Aligned		Before, After & Between to 100
	AUS Yr 01 Australian Curriculum Aligned		Arranging Numbers

	AUS Yr 01 Australian Curriculum Aligned		Number Lines
	AUS Yr 01 Australian Curriculum Aligned		Matching Numbers to 10
	AUS Yr 01 Australian Curriculum Aligned		Matching Numbers to 20
	AUS Yr 01 Australian Curriculum Aligned		1st to 31st
	AUS Yr 01 Australian Curriculum Aligned	NA Place Value	Greater or Less to 100
AC9M1N02 - partition one- and two-digit numbers in different ways using physical and virtual materials, including partitioning two-digit numbers into tens and ones	AUS Yr 01 Australian Curriculum Aligned	NA Place Value	Place Value 1
	AUS Yr 01 Australian Curriculum Aligned		1 More, 2 Less
	AUS Yr 01 Australian Curriculum Aligned		1 More, 10 Less
	AUS Yr 01 Australian Curriculum Aligned		Repartition Two-digit Numbers
	AUS Yr 01 Australian Curriculum Aligned		Nearest Ten?
AC9M1N03 - quantify sets of objects, to at least 120, by partitioning collections into equal groups using number knowledge and skip counting	AUS Yr 01 Australian Curriculum Aligned	NA Place Value	Making Numbers Count
	AUS Yr 01 Australian Curriculum Aligned		Making Big Numbers Count
AC9M1N04 - add and subtract numbers within 20, using physical and virtual materials, part-part-whole knowledge to 10 and a variety of calculation strategies	AUS Yr 01 Australian Curriculum Aligned	NA Adding	Model Addition
	AUS Yr 01 Australian Curriculum Aligned		Adding to 5
	AUS Yr 01 Australian Curriculum Aligned		Adding to Ten
	AUS Yr 01 Australian Curriculum Aligned		Commutative Property of Addition
	AUS Yr 01 Australian Curriculum Aligned		Additive Addition

	AUS Yr 01 Australian Curriculum Aligned		Add 3 Numbers Using Bonds to 10
	AUS Yr 01 Australian Curriculum Aligned		Add 3 Single Digit Numbers
	AUS Yr 01 Australian Curriculum Aligned		Doubles and Near Doubles
	AUS Yr 01 Australian Curriculum Aligned	NA Subtracting	Model Subtraction
	AUS Yr 01 Australian Curriculum Aligned		Subtracting From 5
	AUS Yr 01 Australian Curriculum Aligned		Subtracting from Ten
	AUS Yr 01 Australian Curriculum Aligned		Subtracting from 20
	AUS Yr 01 Australian Curriculum Aligned		Simple Subtraction
	AUS Yr 01 Australian Curriculum Aligned	NA Combining Adding and Subtracting	All about Ten
	AUS Yr 01 Australian Curriculum Aligned		All about Twenty
	AUS Yr 01 Australian Curriculum Aligned		Fact Families: Add and Subtract
	AUS Yr 01 Australian Curriculum Aligned		Doubles and Halves to 10
	AUS Yr 01 Australian Curriculum Aligned		Doubles and Halves to 20
AC9M1N05 - use mathematical modelling to solve practical problems involving additive situations, including simple money transactions; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem	AUS Yr 01 Australian Curriculum Aligned	NA Subtracting	How much Change?
	AUS Yr 01 Australian Curriculum Aligned	NA Combining Adding and Subtracting	Adding to 10 Word Problems
	AUS Yr 01 Australian Curriculum Aligned		Add and Subtract Problems
	AUS Yr 01 Australian Curriculum Aligned		Related Facts 1
	AUS Yr 01 Australian Curriculum Aligned		Problems: Addition and Subtraction

AC9M1N06 - use mathematical modelling to solve practical problems involving equal sharing and grouping; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem	AUS Yr 01 Australian Curriculum Aligned	NA Sharing	Share the Treasure
	AUS Yr 01 Australian Curriculum Aligned		Divide Into Equal Groups
	AUS Yr 01 Australian Curriculum Aligned		Fill the Jars



# Algebra

## Skill Quests

Outcome	Existing Course	Quests	Content
AC9M1A01 - recognise, continue and create pattern sequences, with numbers, symbols, shapes and objects, formed by skip counting, initially by twos, fives and tens	AUS AC Year 01	Patterns and algebra	Relate number and object patterns
	AUS AC Year 01		Explore number patterns (1, 2, 5, 10)
	AUS AC Year 01		Additive and subtractive patterns (within 5)
AC9M1A02 - recognise, continue and create repeating patterns with numbers, symbols, shapes and objects, identifying the repeating unit	AUS AC Year 01	Patterns and algebra	Explore repeating numeric patterns
	AUS AC Year 01		Explore repeating patterns with objects

## Activities

Outcome	Existing Course	Topic	Activity Title
AC9M1A01 - recognise, continue and create pattern sequences, with numbers, symbols, shapes and objects, formed by skip counting, initially by twos, fives and tens	AUS Yr 01 Australian Curriculum Aligned	NA Patterns	Number Line Order
	AUS Yr 01 Australian Curriculum Aligned		Count by 2s, 5s and 10s
	AUS Yr 01 Australian Curriculum Aligned		Counting on a 100 grid
AC9M1A02 - recognise, continue and create repeating patterns with numbers, symbols, shapes and objects, identifying the repeating unit	AUS Yr 01 Australian Curriculum Aligned	NA Patterns	Simple Patterns
	AUS Yr 01 Australian Curriculum Aligned		Missing it!
	AUS Yr 01 Australian Curriculum Aligned		Colour Patterns
	AUS Yr 01 Australian Curriculum Aligned		Pattern Error

## Measurement

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M1M01 - compare directly and indirectly and order objects and events using attributes of length, mass, capacity and duration, communicating reasoning	AUS AC Year 01	Volume and capacity	Explore volume and capacity using informal units
	AUS AC Year 01		Explore volume and capacity using informal units
AC9M1M02 - measure the length of shapes and objects using informal units, recognising that units need to be uniform and used end-to-end	AUS AC Year 01	Length	Explore informal units of length and distance
AC9M1M03 - describe the duration and sequence of events using years, months, weeks, days and hours	N/A	Teacher directed	Teacher directed

### Activities

Outcome	Existing Course	Topic	Activity Name
AC9M1M01 - compare directly and indirectly and order objects and events using attributes of length, mass, capacity and duration, communicating reasoning	AUS Yr 01 Australian Curriculum Aligned	MG Measuring	Everyday Length
	AUS Yr 01 Australian Curriculum Aligned		Comparing Length
	AUS Yr 01 Australian Curriculum Aligned		Filling Fast!
	AUS Yr 01 Australian Curriculum Aligned		Comparing Volume
AC9M1M02 - measure the length of shapes and objects using informal units, recognising that units need to be uniform and used end-to-end	AUS Yr 01 Australian Curriculum Aligned	MG Measuring	Measuring length with blocks
	AUS Yr 01 Australian Curriculum Aligned		Compare Length
AC9M1M03 - describe the duration and sequence of events using years, months, weeks, days and hours	AUS Yr 01 Australian Curriculum Aligned	MG Time	Days of the Week
	AUS Yr 01 Australian Curriculum Aligned		Days: After and Before

	AUS Yr 01 Australian Curriculum Aligned		Tomorrow and Yesterday (without scaffold)
	AUS Yr 01 Australian Curriculum Aligned		Months of the Year
	AUS Yr 01 Australian Curriculum Aligned		Months After and Before

## Space

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M1SP01 - make, compare and classify familiar shapes; recognise familiar shapes and objects in the environment, identifying the similarities and differences between them	AUS AC Year 01	Two-dimensional shapes	Sort quadrilaterals from other 2D shapes
AC9M1SP02 - give and follow directions to move people and objects to different locations within a space	AUS AC Year 01	Position	Position using left, right and ordinal numbers

### Activities

Outcome	Existing Course	Topic	Activity Name
AC9M1SP01 - make, compare and classify familiar shapes; recognise familiar shapes and objects in the environment, identifying the similarities and differences between them	AUS Yr 01 Australian Curriculum Aligned	MG Objects and Shapes	Match the Solid 1
	AUS Yr 01 Australian Curriculum Aligned		Collect Simple Shapes
AC9M1SP02 - give and follow directions to move people and objects to different locations within a space	AUS Yr 01 Australian Curriculum Aligned	MG Location	Where is it?
	AUS Yr 01 Australian Curriculum Aligned		Left or Right?

## Statistics

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M1ST01 - acquire and record data for categorical variables in various ways including using digital tools, objects, images, drawings, lists, tally marks and symbols	AUS AC Year 01	Gathering data	Ask suitable questions for data collection
	AUS AC Year 01		Complete tally charts
AC9M1ST02 - represent collected data for a categorical variable using one-to-one displays and digital tools where appropriate; compare the data using frequencies and discuss the findings	AUS AC Year 01	Representing data	Represent data in a simple display
	AUS AC Year 01		Read simple data displays using objects

### Activities

Outcome	Existing Course	Topic	Activity Name
AC9M1ST01 - acquire and record data for categorical variables in various ways including using digital tools, objects, images, drawings, lists, tally marks and symbols	N/A	Teacher directed	Teacher directed
AC9M1ST02 - represent collected data for a categorical variable using one-to-one displays and digital tools where appropriate; compare the data using frequencies and discuss the findings	AUS Yr 01 Australian Curriculum Aligned	SP Data	Read Graphs
	AUS Yr 01 Australian Curriculum Aligned		Picture Graphs: Who has the Goods?
	AUS Yr 01 Australian Curriculum Aligned		Picture Graphs: More or Less

# Year 2

## Number

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M2N01 - recognise, represent and order numbers to at least 1000 using physical and virtual materials, numerals and number lines	AUS AC Year 02	Whole number – counting	Count in ones up to 1000
	AUS AC Year 02		Identify numbers before and after up to 1000
	AUS AC Year 02	Whole number – sequences	Count in tens with 2- and 3-digit numbers
	AUS AC Year 02		Find numbers 10 before and 10 after, up to 1000
	AUS AC Year 02	Whole number – place value	Read and represent 3-digit numbers
	AUS AC Year 02		Compare and order numbers to 1000
AC9M2N02 - partition, rearrange, regroup and rename two- and three-digit numbers using standard and non-standard groupings; recognise the role of a zero digit in place value notation	AUS AC Year 02	Whole number – partition and group	Identify place value in 3-digit numbers
	AUS AC Year 02		Count in hundreds, tens and ones
	AUS AC Year 02		Partition 3-digit numbers (standard)
	AUS AC Year 02		Partition 3-digit numbers (non-standard)
	AUS AC Year 02		Round numbers up to 1000 to the nearest 100
AC9M2N03 - recognise and describe one-half as one of 2 equal parts of a whole and connect halves, quarters and eighths through repeated halving	AUS AC Year 01	Fractions and decimals	Find half of a set or quantity (no symbols)
	AUS AC Year 02		Find quarters of sets or shapes (no symbols)
	AUS AC Year 02		Find halves and quarters (no symbols)
	AUS AC Year 02		Find eighths of objects or shapes
	AUS AC Year 02		Find halves, quarters and eighths of shapes
AC9M2N04 - add and subtract one- and two-digit numbers, representing problems using number sentences and solve using part-part-whole reasoning	AUS AC Year 01	Addition and subtraction	Add and subtract by counting on/back up to 100
	AUS AC Year 01		Add and subtract using bridging to 10 up to 100
	AUS AC Year 01		Add using place value up to 100

and a variety of calculation strategies	AUS AC Year 02	Addition and subtraction strategies	Use mental strategies to add and subtract (to 100)
	AUS AC Year 02		Add and subtract tens from a 2-digit number
	AUS AC Year 02		Introduce place value to add and subtract (to 200)
	AUS AC Year 02		Use place value to add and subtract (to 200)
	AUS AC Year 02		Use place value (no models) to add and subtract
	AUS AC Year 02		Use place value to add (crossing a 10)
	AUS AC Year 02		Subtract using addition
	AUS AC Year 02		Add and subtract using rounding and compensating
AC9M2N05 - multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays and partitioning to support a variety of calculation strategies	AUS AC Year 02	Mult/div – models, repeated addition	Use repeated addition to multiply
	AUS AC Year 02		Explore arrays (no x symbol)
	AUS AC Year 02		Use the commutative property of multiplication
	AUS AC Year 02	Mult-div – equal groups	Divide by sharing and grouping
	AUS AC Year 02		Use repeated subtraction to divide
AC9M2N06 - use mathematical modelling to solve practical problems involving additive and multiplicative situations, including money transactions; represent situations and choose calculation strategies; interpret and communicate solutions in terms of the situation	AUS AC Year 02	Addition and subtraction strategies	Solve word problems with start or change unknown
	AUS AC Year 02	Patterns and algebra	Write simple number sentences
	AUS AC Year 02	Mult-div – equal groups	Solve simple multiplication problems (2,5,10x)
	AUS AC Year 01	Patterns and algebra	Additive and subtractive patterns (within 5)

## Activities

Outcome	Existing Course	Topic	Activity Name
AC9M2N01 - recognise, represent and order numbers to at least 1000 using physical and virtual materials,	AUS Yr 01 Australian Curriculum Aligned	NA Whole Numbers	Compare Numbers to 20
	AUS Yr 01 Australian Curriculum Aligned		Compare Numbers to 50

numerals and number lines	AUS Yr 01 Australian Curriculum Aligned		Compare Numbers to 100
	AUS Yr 02 Australian Curriculum Aligned	NA Place Value	Which is Bigger?
	AUS Yr 02 Australian Curriculum Aligned		Which is Smaller?
	AUS Yr 03 Australian Curriculum Aligned		Place Value 2
	AUS Yr 03 Australian Curriculum Aligned	NA Comparing & Rounding Numbers	Compare Numbers to 20
	AUS Yr 03 Australian Curriculum Aligned		Compare Numbers to 50
	AUS Yr 03 Australian Curriculum Aligned		Compare Numbers to 100
AC9M2N02 - partition, rearrange, regroup and rename two- and three-digit numbers using standard and non-standard groupings; recognise the role of a zero digit in place value notation	AUS Yr 02 Australian Curriculum Aligned	NA Place Value	Model Numbers
	AUS Yr 02 Australian Curriculum Aligned		Place value 2
	AUS Yr 02 Australian Curriculum Aligned		Place Value Partitioning
	AUS Yr 02 Australian Curriculum Aligned		Partition and rename 1
	AUS Yr 02 Australian Curriculum Aligned		Nearest Ten?
	AUS Yr 02 Australian Curriculum Aligned		Nearest Hundred?
AC9M2N03 - recognise and describe one-half as one of 2 equal parts of a whole and connect halves, quarters and eighths through repeated halving	AUS Yr 02 Australian Curriculum Aligned	NA Fractions	Halves
	AUS Yr 02 Australian Curriculum Aligned		Is it Half?
	AUS Yr 02 Australian Curriculum Aligned		Halves and Quarters
AC9M2N04 - add and subtract one- and two-digit numbers, representing problems using number sentences and solve using part-	AUS Yr 02 Australian Curriculum Aligned	NA Adding and Subtracting	All about Twenty
	AUS Yr 02 Australian Curriculum Aligned		Subtract Tens



part-whole reasoning and a variety of calculation strategies	AUS Yr 02 Australian Curriculum Aligned		Adding to 2-digit numbers
	AUS Yr 02 Australian Curriculum Aligned		Magic Mental Addition
	AUS Yr 02 Australian Curriculum Aligned		Magic Mental Subtraction
	AUS Yr 02 Australian Curriculum Aligned		Repartition to Subtract
	AUS Yr 02 Australian Curriculum Aligned	NA Connecting Adding and Subtracting	Balance Numbers to 10
	AUS Yr 02 Australian Curriculum Aligned		Balance Numbers to 20
	AUS Yr 02 Australian Curriculum Aligned		Partition Puzzles 1
	AUS Yr 02 Australian Curriculum Aligned		
AC9M2N05 - multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays and partitioning to support a variety of calculation strategies	AUS Yr 02 Australian Curriculum Aligned	NA Multiplying	Grouping in Twos
	AUS Yr 02 Australian Curriculum Aligned		Grouping in Fives
	AUS Yr 02 Australian Curriculum Aligned		Grouping in Tens
	AUS Yr 02 Australian Curriculum Aligned		Grouping in Threes
	AUS Yr 02 Australian Curriculum Aligned		Grouping in Fours
	AUS Yr 02 Australian Curriculum Aligned		Multiplication Arrays
	AUS Yr 02 Australian Curriculum Aligned	NA Dividing	Groups
	AUS Yr 02 Australian Curriculum Aligned		Divide Into Equal Groups
	AUS Yr 02 Australian Curriculum Aligned		Dividing Twos
	AUS Yr 02 Australian Curriculum Aligned		Dividing Fives
	AUS Yr 02 Australian Curriculum Aligned		Dividing Tens
	AUS Yr 02 Australian Curriculum Aligned		

	AUS Yr 02 Australian Curriculum Aligned		Dividing Threes
	AUS Yr 02 Australian Curriculum Aligned		Dividing Fours
AC9M2N06 - use mathematical modelling to solve practical problems involving additive and multiplicative situations, including money transactions; represent situations and choose calculation strategies; interpret and communicate solutions in terms of the situation	AUS Yr 02 Australian Curriculum Aligned	NA Adding and Subtracting	Problems: Addition and Subtraction
	AUS Yr 02 Australian Curriculum Aligned		Bar Model Problems 1
	AUS Yr 02 Australian Curriculum Aligned		Bar Model Problems 2
	AUS Yr 02 Australian Curriculum Aligned	NA Money	Skip Counting with Coins

# Algebra

## Skill Quests

Outcome	Existing Course	Quests	Content
AC9M2A01 - recognise, describe and create additive patterns that increase or decrease by a constant amount, using numbers, shapes and objects, and identify missing elements in the pattern	AUS AC Year 02	Whole number – sequences	Identify, describe and continue number sequences
	AUS AC Year 02	Patterns	Number patterns (1, 2, 5, 10, 25 up to 100)
	AUS AC Year 02		Add or subtract patterns (within 10) up to 100
AC9M2A02 - recall and demonstrate proficiency with addition facts to 20; extend and apply facts to develop related subtraction facts	AUS AC Year 02	Addition and subtraction relationship	Find fact families for addition and subtraction
AC9M2A03 - recall and demonstrate proficiency with multiplication facts for twos; extend and apply facts to develop the related division facts using doubling and halving	AUS AC Year 03	Multiplication & division facts	Multiplication/division facts for 2

## Activities

Outcome	Existing Course	Topic	Activity Name
AC9M2A01 - recognise, describe and create additive patterns that increase or decrease by a constant amount, using numbers, shapes and objects, and identify missing elements in the pattern	AUS Yr 02 Australian Curriculum Aligned	NA Patterns and Algebra	Count by Twos
	AUS Yr 02 Australian Curriculum Aligned		Counting by Twos
	AUS Yr 02 Australian Curriculum Aligned		Count by Fives
	AUS Yr 02 Australian Curriculum Aligned		Counting by Fives
	AUS Yr 02 Australian Curriculum Aligned		Count by Tens
	AUS Yr 02 Australian Curriculum Aligned		Counting by Tens
	AUS Yr 02 Australian Curriculum Aligned		Count by 2s, 5s and 10s
	AUS Yr 02 Australian Curriculum Aligned		

	AUS Yr 02 Australian Curriculum Aligned		Counting on a 100 grid
AC9M2A02 - recall and demonstrate proficiency with addition facts to 20; extend and apply facts to develop related subtraction facts	AUS Yr 02 Australian Curriculum Aligned	NA Adding and Subtracting	Addictive Addition
	AUS Yr 02 Australian Curriculum Aligned		Simple Subtraction
	AUS Yr 02 Australian Curriculum Aligned		Commutative Property of Addition
	AUS Yr 02 Australian Curriculum Aligned	NA Connecting Adding and Subtracting	Fact Families: Add and Subtract
	AUS Yr 02 Australian Curriculum Aligned		Related Facts 1
AC9M2A03 - recall and demonstrate proficiency with multiplication facts for twos; extend and apply facts to develop the related division facts using doubling and halving	N/A	Teacher directed	Teacher directed

# Measurement

## Skill Quests

Outcome	Existing Course	Quests	Content
AC9M2M01 - measure and compare objects based on length, capacity and mass using appropriate uniform informal units and smaller units for accuracy when necessary	AUS AC Year 02	Length	Compare and order lengths using informal units
	AUS AC Year 02	Volume and capacity	Compare and order volume using blocks
	AUS AC Year 02		Compare and order volume using displacement
	AUS AC Year 02	Mass	Compare and order mass using informal units
AC9M2M02 - identify common uses and represent halves, quarters and eighths in relation to shapes, objects and events	N/A	Teacher directed	Teacher directed
AC9M2M03 - identify the date and determine the number of days between events using calendars	AUS AC Year 02	Time – months and seasons	Months of the year
	AUS AC Year 02	Time - using a calendar	Use a calendar to identify the date
	AUS AC Year 02		Use calendars to solve simple problems
AC9M2M04 - recognise and read the time represented on an analog clock to the hour, half-hour and quarter-hour	AUS AC Year 01	Time – telling the time	Tell time to the hour and half hour (analogue)
	AUS AC Year 01		Tell time to the hour and half hour (digital)
	AUS AC Year 01		Tell time to the half and quarter hour
AC9M2M05 - identify, describe and demonstrate quarter, half, three-quarter and full measures of turn in everyday situations	AUS AC Year 02	Turns of shapes	Turns of shapes

## Activities

Outcome	Existing Course	Topic	Activity Name
AC9M2M01 - measure and compare objects based on length, capacity and mass using appropriate uniform informal units and smaller units for accuracy when necessary	AUS Yr 02 Australian Curriculum Aligned	MG Measuring	Measuring Length with Blocks
	AUS Yr 02 Australian Curriculum Aligned		Compare Length
	AUS Yr 02 Australian Curriculum Aligned		How Full?

	AUS Yr 02 Australian Curriculum Aligned		Filling Fast!
	AUS Yr 02 Australian Curriculum Aligned		Balancing Act
	AUS Yr 02 Australian Curriculum Aligned		Everyday Mass
AC9M2M02 - identify common uses and represent halves, quarters and eighths in relation to shapes, objects and events	N/A	Teacher directed	Teacher directed
AC9M2M03 - identify the date and determine the number of days between events using calendars	AUS Yr 02 Australian Curriculum Aligned	MG Time	Months of the Year
	AUS Yr 02 Australian Curriculum Aligned		Months After and Before
	AUS Yr 02 Australian Curriculum Aligned		Using a Calendar
AC9M2M04 - recognise and read the time represented on an analog clock to the hour, half-hour and quarter-hour	AUS Yr 02 Australian Curriculum Aligned	MG Time	Set Time to the Hour
	AUS Yr 02 Australian Curriculum Aligned		Hour Times
	AUS Yr 02 Australian Curriculum Aligned		Tell Time to the Hour
	AUS Yr 02 Australian Curriculum Aligned		Set Time to the Half Hour
	AUS Yr 02 Australian Curriculum Aligned		Half Hour Times
	AUS Yr 02 Australian Curriculum Aligned		Tell Time to the Half Hour
AC9M2M05 - identify, describe and demonstrate quarter, half, three-quarter and full measures of turn in everyday situations	N/A	Teacher directed	Teacher directed

## Space

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M2SP01 - recognise, compare and classify shapes, referencing the number of sides and using spatial terms such as “opposite”, “parallel”, “curved” and “straight”	AUS AC Year 01	Two-dimensional shapes	Identify, sort and name octagons
	AUS AC Year 01		Identify, sort and name pentagons
	AUS AC Year 01		Identify, sort and name hexagons
	AUS AC Year 01		Identify and name simple 2D shapes
	AUS AC Year 01		Compare, describe and sort simple 2D shapes
	AUS AC Year 01		Identify vertical and horizontal lines
	AUS AC Year 01		Identify parallel lines
	AUS AC Year 01		Represent and describe regular polygons
	AUS AC Year 01	Three-dimensional objects	Explore surfaces and faces
	AUS AC Year 01		Recognise and describe spheres
	AUS AC Year 01		Recognise and describe cones
	AUS AC Year 01		Recognise and describe cubes
	AUS AC Year 01		Recognise and describe cylinders
	AUS AC Year 01		Recognise, sort and name 3D objects
	AUS AC Year 01		Recognise and describe prisms (no formal names)
	AUS AC Year 02		Compare 2D shapes and 3D objects
	AUS AC Year 02		Identify faces, edges and vertices on 3D objects
	AUS AC Year 02		Faces, edges, vertices and surfaces of 3D objects
AC9M2SP02 - locate positions in two-dimensional representations of a familiar space; move positions by following directions and pathways	AUS AC Year 02	Reading maps	Read simple maps

## Activities

Outcome	Existing Course	Topic	Activity Name
AC9M2SP01 - recognise, compare and classify shapes, referencing the number of sides and using spatial terms such as “opposite”, “parallel”, “curved” and “straight”	AUS Yr 01 Australian Curriculum Aligned	MG Objects and Shapes	Collect the Polygons
	AUS Yr 01 Australian Curriculum Aligned		Count Sides and Corners
	AUS Yr 02 Australian Curriculum Aligned		Collect More Shapes
	AUS Yr 02 Australian Curriculum Aligned		Faces, Edges, and Vertices 1
	AUS Yr 02 Australian Curriculum Aligned		Relate Shapes and Solids
	AUS Yr 02 Australian Curriculum Aligned		How many Faces?
	AUS Yr 02 Australian Curriculum Aligned		How many Edges?
	AUS Yr 02 Australian Curriculum Aligned		How many Vertices?
	AUS Yr 02 Australian Curriculum Aligned		Faces, Edges and Vertices
	AUS Yr 02 Australian Curriculum Aligned		
AC9M2SP02 - locate positions in two-dimensional representations of a familiar space; move positions by following directions and pathways	N/A	Teacher directed	Teacher directed



## Statistics

### Skill Quests

Outcome	Existing Course	Quests	Content
AC9M2ST01 - acquire data for categorical variables through surveys, observation, experiment and using digital tools; sort data into relevant categories and display data using lists and tables	AUS AC Year 02	Gathering data	Answer questions related to simple data displays
AC9M2ST02 - create different graphical representations of data using software where appropriate; compare the different representations, identify and describe common and distinctive features in response to questions	AUS AC Year 02	Creating displays of data	Read and interpret simple picture graphs
	AUS AC Year 02		Represent and read data in tables or lists
	AUS AC Year 02		Use a tally chart, table, picture graph

### Activities

Outcome	Existing Course	Topic	Activity Name
AC9M2ST01 - acquire data for categorical variables through surveys, observation, experiment and using digital tools; sort data into relevant categories and display data using lists and tables	AUS Yr 02 Australian Curriculum Aligned	SP Data	Tallies
	AUS Yr 02 Australian Curriculum Aligned		Sorting Data
AC9M2ST02 - create different graphical representations of data using software where appropriate; compare the different representations, identify and describe common and distinctive features in response to questions	AUS Yr 02 Australian Curriculum Aligned	SP Data	Picture Graphs: More or Less
	AUS Yr 02 Australian Curriculum Aligned		Picture Graphs: single-unit scale



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