# Mathletics NSW Curriculum 2023 Skill Quests Correlation & Activities







## Mathletics

NSW Curriculum – AC Aligned v9 2023 Skill Quests & Activities May 2023

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## Stage 2

## 1 Number and Algebra

#### 1.1 Representing numbers using place value A

MA2-RN-01(A) Applies an understanding of place value and the role of zero to represent numbers to at least				
tens of thousands				
	MA2-RN-02(A)			
Represents of	and compares deci	mals up to 2 decimal places using place value		
Existing Course	Skill Quests	Skills		
AUS NSW Stage 2	Numbers up to 5 digits (3)	Identifying and counting numbers up to 4 digits		
AUS NSW Stage 2	Numbers up to 5 digits (3)	Reading and representing numbers: up to 4 digits		
AUS NSW Stage 2	Numbers up to 5 digits (3)	Using place value to partition: up to 4 digits		
AUS NSW Stage 2	Numbers to 10 000	Comparing & ordering numbers to 4 digits		
Course Topic	Activities Title			
A. Whole numbers	Place Value - Thousands			
	Expanding Numb	Expanding Numbers		
	Put in Order 1			
	Ascending Order			
	Descending Orde	r		
	Which is Bigger?			
	Which is Smaller	?		
	Greater Than or Less Than 1			
	Greater or Less to 100			
	Place Value 3	2		
	Partition and Rename 2			
	Nearest 1000?			

### 1.2 Representing numbers using place value B

MA2-RN-01(B) Applies an understanding of place value and the role of zero to represent numbers to at least tens of thousands			
Existing Course Skill Quests Skills			
AUS NSW Stage 2	Numbers up to 5 digits (4)	Comparing and ordering numbers up to 5 digits	
AUS NSW Stage 2	Numbers up to 5 digits (4)	Reading and representing numbers: up to 5 digits	
AUS NSW Stage 2	Numbers up to 5 digits (4)	Using place value to partition: up to 5 digits	

Course Topic	Activities Title		
B. Moving on with	Expanded Notation		
whole numbers &	Numbers in Words		
decimals	Partition and Rename 3		
	Rounding Numbers		
	Numbers from Words to Digits 1		
	Missing Numbers 2		
	Decimals on the Number Line		
	Decimals from Words to Digits 1		
	Decimal Place Value		
	Decimal Order 1		

MA2-RN-02(B) Represents and compares desimals up to 2 desimal places using place value		
Existing Courses Skill Quests		
AUS NSW Stage 2	Common fractions & decimals (4)	Investigating fractions
AUS NSW Stage 2	Common fractions & decimals (4)	Using decimal tenths
AUS NSW Stage 2	Common fractions & decimals (4)	Using decimal hundredths
AUS NSW Stage 2	Common fractions & decimals (4)	Partitioning decimal hundredths
AUS NSW Stage 2	Common fractions & decimals (4)	Connecting decimal fractions and common fractions
Course Topic	Activities Title	
B. Moving on with	Expanded Notati	on
whole numbers &	Numbers in Words	
decimals	Partition and Rename 3	
Rounding Numbers		ers
	Numbers from W	ords to Digits 1
	Expanded Notati	on
	Numbers in Words	
	Partition and Ren	
Rounding Numbers		ers Jorde to Digite 1
INUMBERS TROM VVORAS TO LIGITS 1		

#### 1.3 Additive relations A

MA2-AR-01(A)		
Selects and uses mental and written strategies for addition and subtraction involving 2- and 3-		
digit numbers		
<b>Existing Course</b>	Skill Quests	Skills
AUS NSW Stage 2	Add/sub up to 5	Add/subtract: single digit numbers
	digits (3)	

AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: 2 & 3-digit using jump strategy
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: place value partitioning 2 & 3 digit
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: bridging up to 10 using 2 & 3 digit
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: bridging
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: partitioning 3-digits
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Adding and subtracting 3-digit numbers
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: using place value (split model)
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: rounding & compensation 2-digit
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: to and from 100
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: 1-digit numbers, 100, 1000 & 10 000
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract:Non-standard/place value partitioning
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: choosing efficient strategies
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: estimating
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Relationship between addition and subtraction
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Representing money values
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Representing problems using a bar model
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: efficient strategies & word problems
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: pose problems, number ranges
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Addition: algorithm (without regrouping)
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Addition: algorithm (with regrouping)
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Addition: algorithm (with/without regrouping)
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Subtraction: algorithm (without decomposing)
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Subtraction: algorithm (with decomposing)
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: word problems
AUS NSW Stage 2	Add/sub up to 5 digits (3)	Add/subtract: money
Course Topic		Activities Title
A. Add & subtract	Add Two 2-Digit	Numbers
up to 3 digits	Adding to 2-digit	numbers
	Magic Mental Ad	dition

Complements to 50 and 100
Add 3 Numbers: Bonds to 100
Compensation - Add
Estimate Sums
Subtract Tens
Magic Mental Subtraction
Column Subtraction
2-Digit Differences: Regroup
Repartition to Subtract
Compensation - Subtract
Estimate Differences
Bump Add and Subtract
Related Facts 1
Bar Model Problems 1
Bar Model Problems 2
How much Change?
Missing Values

#### 1.4 Additive Relations B

MA2-AR-01(B) Selects and uses mental and written strategies for addition and subtraction involving 2- and 3- digit numbers			
Course Topic	Activities Title		
B. Moving forward	Split Add and Subtract		
with addition &	Pyramid Puzzles 1		
subtraction	Pyramid Puzzles 2		
	Partition Puzzles 1 Partition Puzzles 2 Addition Properties Strategies for Column Addition		
	Columns that Add		
	Column Addition 1		
	Missing Numbers		

## 1.5 Multiplicative relations A

MA2-MR-01(A)			
Represents and us	Represents and uses the structure of multiplicative relations to $10 \times 10$ to solve problems		
Existing Course	Skill Quests	Skills	
AUS NSW Stage 2	Mult/div mental	Skip counting by 10 to 1000	
	strategies (5)		
AUS NSW Stage 2	Mult/div mental	Skip counting by 5 to 1000	
	strategies (3)		
AUS NSW Stage 2	Mult/div mental	Skip counting by 2 to 1000	
	strategies (3)		
AUS NSW Stage 2	Mult/div mental	Skip counting by 3 to 1000	
	strategies (3)		
AUS NSW Stage 2	Mult/div mental	Skip counting by 4	
	strategies (3)		

AUS NSW Stage 2	Patterns & missing values (3)	Describing, continuing & creating number patterns
AUS NSW Stage 2	Patterns & missing values (3)	Exploring odd and even numbers
Course Topic		Activities Title
A. Multiplication &	Counting by Tens	;
division	Count by Fives	
	Counting by Five	5
	Counting by Two	S
	Count by 2s, 5s a	nd 10s
	Skip Counting	
	Counting up in 4s	
	Skip Counting wi	th Coins
	Grouping in Twos	3
	Grouping in Fours	5
	Grouping in Fives	
	Grouping in Tens	
	Grouping in Seve	ns
	Grouping in Eight	S
	Arrays 1	
	Arrays 2	
	Model multiplicat	ion to 5 × 5
	Fact Families: Multiply and Divide Multiplication Turnarounds	
	Halve it!	

MA2-MR-02(A)		
Completes number sentences involving multiplication and division by finding missing values		
<b>Existing Course</b>	Skill Quests	Skills
AUS AC (v9) Year 03	Multiplication & division facts for 10	Exploring multiplication by 10
AUS AC (v9) Year 03	Multiplication & division facts for 5	Exploring multiplication by 5
AUS NSW Stage 2	Mult/div mental strategies (3)	Multiplication/division facts for 2
AUS NSW Stage 2	Mult/div mental strategies (3)	Multiplication/division facts for 10
AUS NSW Stage 2	Mult/div mental strategies (3)	Multiplication/division facts for 5
AUS NSW Stage 2	Mult/div mental strategies (3)	Multiplication/division facts for 2, 5, 10
AUS NSW Stage 2	Mult/div mental strategies (4)	Multiplication/division facts for 4
AUS NSW Stage 2	Mult/div mental strategies (4)	Multiplying 2-digits using repeated addition
AUS AC (v9) Year 03	Multiplication & division	Using repeated addition to multiply

AUS AC (v9) Year 03	Multiplication & division	Using repeated subtraction to divide
AUS AC (v9) Year 03	Multiplication & division	Relating multiplication & division
AUS NSW Stage 2	Mult/div mental strategies (3)	Multiplication word problems
AUS NSW Stage 2	Mult/div mental strategies (3)	Word problems and missing numbers
Course Topic		Activities Title
A. Multiplication &	Counting up in 4s	3
division	Count by Fives	
	Skip Counting	
	Skip Counting wit	th Coins
	Counting by Twos	
	Counting by Fives	
	Counting by Tens	
	Count by 2s, 5s and 10s	
	Grouping in Twos	
	Grouping in Fours	
	Grouping in Fives	
	Grouping in Tens	
	Grouping in Sevens	
	Grouping in Eights	
	Arrays 1	
	Arrays 2	
	Model multiplication to 5 × 5	
	Fact Families: Mu	Itiply and Divide
	Multiplication Tur	narounds
	Halve it!	

## 1.6 Multiplicative relations B

MA2-MR-01(B)			
Represents and us	Represents and uses the structure of multiplicative relations to $10 imes10$ to solve problems		
Existing Course	Skill Quests	Skills	
AUS NSW Stage 2	Mult/div mental strategies (4)	Multiplication/division facts up to 5	
AUS NSW Stage 2	Mult/div mental strategies (4)	Multiplication/division facts and properties	
AUS NSW Stage 2	Mult/div mental strategies (4)	Exploring multiplication/division for 6 up to 60	
AUS NSW Stage 2	Mult/div mental strategies (4)	Exploring multiplication/division for 7 up to 70	
AUS NSW Stage 2	Mult/div mental strategies (4)	Exploring multiplication/division for 8 up to 80	
AUS NSW Stage 2	Mult/div mental strategies (4)	Exploring multiplication/division for 9 up to 90	
AUS NSW Stage 2	Patterns & missing values (4)	Investigating multiple sequences	

AUS NSW Stage 2	Patterns & missing values (4)	Exploring number patterns	
Course Topic		Activities Title	
B. More	Multiples of		
multiplication &	Increasing Patter	ns	
division	Decreasing Patte	rns	
	Grouping in Three	25	
	Grouping in Sixes	i	
	Grouping in Nine	5	
	Dividing Threes		
	Dividing Sixes Dividing Nines Dividing Sevens		
	Dividing Eights Multiplication Turn-Abouts		
	Related Facts 2         Times Tables         Mental Methods Division         Bar model × ÷         Grid Methods 1		
	Problems: Times	and Divide	
	Find the Missing	Number 2	
	Missing Numbers	: × and ÷ facts	
	Multiplying by 10	, 100, 1000	

MA2-MR-02(B)			
Completes number	Completes number sentences involving multiplication and division by finding missing values		
Existing Course	Skill Quests	Skills	
AUS NSW Stage 2	Mult/div mental strategies (3)	Multiplication/division facts for 3	
AUS NSW Stage 2	Mult/div mental strategies (4)	Using facts to multiply using 2-digits	
AUS NSW Stage 2	Mult/div mental strategies (4)	Using facts to divide 3-digit numbers by 10	
AUS NSW Stage 2	Mult/div mental strategies (4)	Multiplication strategies using 1 digit	
AUS NSW Stage 2	Mult/div mental strategies (4)	Using the conventions of multiplication	
AUS NSW Stage 2	Mult/div mental strategies (4)	Inverse facts	
AUS NSW Stage 2	Mult/div mental strategies (4)	Practising multiplication strategies	
AUS AC (v9) Year 04	Mult & div strategies, no remainder	Multiplication strategies: 1-digit numbers	
AUS AC (v9) Year 04	Mult & div strategies, no remainder	Using the conventions of multiplication	
AUS AC (v9) Year 04	Mult & div strategies, no remainder	Inverse facts: multiplication & division	

AUS AC (v9) Year	Mult & div	Practising multiplication strategies
04	strategies, no	
	remainder	
AUS AC (v9) Year	Mult & div	Multiplying 2-digit numbers by a 1-digit number
04	strategies, no	
	remainder	Multiplying 2 digit pumbers using doubling
AUS AC (V9) Year	Mult & div	Multiplying 2-algit numbers using doubling
04	remainder	
ALIS AC (v9) Vear	Mult & div	Multiplying 2-digit numbers using factorising
04	strategies no	
	remainder	
AUS AC (v9) Year	Mult & div	Selecting effective multiplication strategies
04	strategies, no	5 1 5
	remainder	
AUS AC (v9) Year	Mult & div	Selecting effective division strategies
04	strategies, no	
	remainder	
AUS AC (v9) Year	Mult & div	Dividing a 2-digit number by a 1-digit number
04	strategies, no	
	remainder	
AUS AC (v9) Year	Mult/div by	Using place value to multiply by 10
04	multiples of 10,	
	100 & 1000	
AUS AC (V9) Year	Multiplication &	Interpreting & solving mult/div word problems
05	ulvision	
ALIS NSW/ Stage 2	Patterns &	Expressing equations as word problems
AUS NSW Stage 2	Patterns & missing values	Expressing equations as word problems
AUS NSW Stage 2	Patterns & missing values (4)	Expressing equations as word problems
AUS NSW Stage 2 Course Topic	Patterns & missing values (4)	Expressing equations as word problems Activities Title
AUS NSW Stage 2 Course Topic B. More	Patterns & missing values (4) Multiples of	Expressing equations as word problems Activities Title
AUS NSW Stage 2 Course Topic B. More multiplication &	Patterns & missing values (4) Multiples of Increasing Patter	Expressing equations as word problems Activities Title ns
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter	Expressing equations as word problems Activities Title ns rns
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three	Expressing equations as word problems Activities Title ns rns es
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes	Expressing equations as word problems Activities Title ns rns es
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines	Expressing equations as word problems Activities Title ns rns es s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes	Expressing equations as word problems Activities Title ns rns es s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes	Expressing equations as word problems Activities Title ns rns es s s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Nines	Expressing equations as word problems Activities Title ns rns es s s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes	Expressing equations as word problems Activities Title ns rns es s s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights	Expressing equations as word problems Activities Title ns rns es s s s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights Multiplication Tur	Expressing equations as word problems           Activities Title           ns           rns           es           s
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2	Expressing equations as word problems Activities Title ns rns es s n-Abouts
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables	Expressing equations as word problems           Activities Title           ns           rns           es           s   nn-Abouts
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Three Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables Mental Methods I	Expressing equations as word problems          Activities Title         ns         rns         es         is         ns         ns         rns         es         is         Division
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables Mental Methods I Bar model × ÷	Expressing equations as word problems           Activities Title           ns           rns           es           s           nn-Abouts
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables Mental Methods 1 Bar model × ÷	Expressing equations as word problems           Activities Title           ns           rns           es           s           s   in-Abouts           Division
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables Mental Methods I Bar model × ÷ Grid Methods 1 Problems: Times	Expressing equations as word problems           Activities Title           ns           rns           es           s           s           nn-Abouts
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables Mental Methods I Bar model × ÷ Grid Methods 1 Problems: Times Find the Missing	Expressing equations as word problems           Activities Title           ns           rns           es           is           s   In-Abouts           Division             and Divide   Number 2 ix and i facto
AUS NSW Stage 2 Course Topic B. More multiplication & division	Patterns & missing values (4) Multiples of Increasing Patter Decreasing Patter Grouping in Three Grouping in Sixes Grouping in Nines Dividing Threes Dividing Sixes Dividing Sixes Dividing Sixes Dividing Sevens Dividing Sevens Dividing Eights Multiplication Tur Related Facts 2 Times Tables Mental Methods 1 Bar model × ÷ Grid Methods 1 Problems: Times Find the Missing Missing Numbers	Expressing equations as word problems          Activities Title         ns         rns         es         s         s         nn-Abouts         Division         and Divide         Number 2         : x and ÷ facts         1000

#### 1.7 Partitioned fractions A

MA2-PF-01(A)		
Represents and compares halves, quarters, thirds and fifths as lengths on a number line and		
their rele	ated fractions form	hed by halving (eighths, sixths and tenths)
Existing Course	Skill Quests	Skills
AUS NSW Stage 2	Common	Using fractions: halves and quarters
	fractions &	
	decimals (3)	
AUS NSW Stage 2	Common	Numerator and demonimator
	fractions &	
	decimals (3)	
AUS NSW Stage 2	Common	Using fractions: halves, thirds and quarters
	fractions &	
	decimals (3)	
AUS NSW Stage 2	Common	Using fractions: thirds and sixths
	fractions &	
	decimals (3)	
AUS NSW Stage 2	Common	Counting in thirds
	fractions &	
	decimals (3)	
Course Topic	Activities Title	
A. Partitioned	Halves and Quar	ters
fractions	Thirds and Sixths	3
	Shade fractions	
	Identifying Fraction	ons on a Number Line
	Equivalent Fraction Wall 1	

#### 1.8 Partitioned fractions B

MA2-PF-01(B) Represents and compares halves, quarters, thirds and fifths as lengths on a number line and their related fractions formed by halving (eighths, sixths and tenths)			
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Common fractions & decimals (3)	Using fractions: fifths	
AUS AC (v9) Year 04	Equivalent fractions	Investigating equivalent fractions less than 1	
AUS NSW Stage 2	Common fractions & decimals (3)	Using mixed numbers on a number line	
Course Topic	Activities Title		
B. Moving forward	Compare Fraction	ns 1a	
with partitioned	Compare Fraction	Compare Fractions 1b	
fractions	<b>Comparing Fracti</b>	ions 1	

## 2 Measurement & Space

#### 2.1 Geometric measure A

MA2-GM-01(A)			
Uses grid maps and directional language to locate positions and follow routes			
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Simple maps & grids (3)	Interpreting and creating referenced maps	
Course Topic	Activities Title		
A/B Position	Following Directions		
	Coordinate Meeting Place		
	What Direction was That?		
	Using a key		

MA2-GM-02(A)			
Measures	Measures and estimates lengths in metres, centimetres and millimetres		
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Measuring length and temperature (3)	Comparing, ordering and measuring length	
Course Topic	Activities Title		
A/B Length	How Long is That?		
	Measuring Length		
	Perimeter of Shapes		
	Converting cm and mm		
	Centimetres and Metres		

MA2-GM-03(A)			
Uses grid maps and directional language to locate positions and follow routes			
<b>Existing Course</b>	Skill Quests	Skills	
AUS AC (v9) Year	Identify &	Introducing angles	
03	compare angles		
Course Topic		Activities Title	
A/B Angles	Equal Angles		
	Comparing Angles		
	Right Angle Relation		
	What Type of Angle?		
	Classifying Angles		

#### 2.2 Geometric measure B

MA2-GM-01(B)		
Uses grid maps and directional language to locate positions and follow routes		
<b>Existing Course</b>	Skill Quests	Skills
AUS NSW Stage 2	Simple maps & grids (4)	Using legends and reading maps

Course Topic	Activities Title		
A/B Position	Following Directions		
	Coordinate Meeting Place		
	What Direction was That?		
	Using a key		

	М	A2-GM-02(B)	
Measures	and estimates len	gths in metres, centimetres and millimetres	
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Measuring length and temperature (4)	Using metric units to measure length	
Course Topic	Activities Title		
A/B Length	How Long is Tha	How Long is That?	
	Measuring Lengt	n	
	Perimeter of Sha	Perimeter of Shapes	
	Converting cm and mm		
	Centimetres and	Metres	

	М	A2-GM-03(B)	
Identifie	es angles and class	sifies them by comparing to a right angle	
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Angle	Classifying angles	
	introduction (4)		
Course Topic		Activities Title	
A/B Angles	Equal Angles		
	Comparing Angle	Comparing Angles	
	Right Angle Relation		
	What Type of Angle?		
	Classifying Angle	S	

## 2.3 Two-dimensional spatial structure A

	M	A2-2DS-01(A)	
Compares two-dimen	isional shapes and	describes their features	
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Features of 2D shapes (3)	Comparing and identifying two-dimensional shapes	
AUS NSW Stage 2	Features of 2D shapes (3)	Comparing features of two-dimensional shapes	
Course Topic		Activities Title	
A/B 2D shape &	What Line am I?		
area	Shapes		
	Collect the Shape	25	
	Collect More Sha	pes	
	Collect the Shape	es 2	
	Area of Shapes		
	Equal Areas		

Performs trar	Mansformations by co	A2-2DS-02(A) mbining and splitting two-dimensional shapes
Existing Course	Skill Quests	Skills
AUS NSW Stage 2	Features of 2D shapes (4)	Introducing transformations
AUS NSW Stage 2	Features of 2D shapes (3)	Recognising lines of symmetry
AUS NSW Stage 2	Features of 2D shapes (4)	Recognising tessellations
Course Topic		Activities Title
A/B	Symmetry	
Transformations	Symmetry or Not	?
	Flip, Slide, Turn	
	Transformations	
	Rotational Symm	etry

	M	A2-2DS-03(A)
Estimates, measu	res and compares	areas using square centimetres and square metres
<b>Existing Course</b>	Skill Quests	Skills
AUS NSW Stage 2	Area: square	Using formal units for area
	cm and m (3)	
Course Topic	Activities Title	
A/B 2D shape &	What Line am I?	
area	Shapes	
	Collect the Shapes	
	Collect More Shapes	
	Collect the Shape	es 2
	Area of Shapes	
	Equal Areas	

## 2.4 Two-dimensional spatial structure B

	M	A2-2DS-02(B)
Performs trai	nsformations by co	mbining and splitting two-dimensional shapes
<b>Existing Course</b>	Skill Quests	Skills
AUS NSW Stage 2	Features of 2D shapes (4)	Composing and decomposing 2D shapes
AUS NSW Stage 2	Features of 2D shapes (4)	Creating and drawing symmetrical designs
Course Topic		Activities Title
A/B	Symmetry	
Transformations	Symmetry or Not	?
	Flip, Slide, Turn	
	Transformations	
	Rotational Symm	etry

	M	A2-2DS-03(B)	
Estimates, measu	res and compares	areas using square centimetres and square metres	
<b>Existing Course</b>	Skill Quests Skills		
AUS NSW Stage 2	Area: square cm and m (4)	Solving word problems involving mult and div	
AUS NSW Stage 2	Area: square cm and m (4)	Comparing objects using familiar metric units	
Course Topic		Activities Title	
A/B 2D shape &	What Line am I?		
area	Shapes		
	Collect the Shape	25	
	Collect More Sha	pes	
	Collect the Shape	es 2	
	Area of Shapes		
	Equal Areas		

## 2.5 Three-dimensional spatial structure A

Makes and sketch	Ma nes models and net	A2-3DS-01(A) s of three-dimensional objects including prisms and pyramids
Existing Course	Skill Quests	Skills
AUS NSW Stage 2	Features of 3D objects (3)	Exploring prisms and nets
AUS NSW Stage 2	Features of 3D objects (3)	Rectangular prism nets
Course Topic	Activities Title	
A. 3D objects	Prisms and Pyrar	nids
	Collect the Object	ts
	Match the Object	

Estimates, measure	MA es and compares ca volumes u	<b>A2-3DS-02(A)</b> pacities (internal volumes) using litres, millilitres and using cubic centimetres
<b>Existing Course</b>	Skill Quests	Skills
AUS NSW Stage 2	Volume/capacity: L, mL, cubic cm (3)	Measuring volume
AUS AC (v9) Year 03	Length, mass & capacity	Comparing, ordering & measuring capacity
Course Topic		Activities Title
A. Capacity	How Full?	
	Which Holds More	?
	Filling Fast!	
	Comparing Volum	e

## 2.6 Three-dimensional spatial structure B

	M	A2-3DS-01(B)
Makes and sketches models and nets of three-dimensional objects including prisms and		
		pyramids
Existing Course	Skill Quests Skills	
AUS NSW Stage 2	Features of 3D objects (4)	Identifying prisms
AUS NSW Stage 2	Features of 3D objects (4)	Identifying pyramids
AUS NSW Stage 2	Features of 3D objects (4)	Prisms and pyramids
AUS NSW Stage 2	Features of 3D objects (4)	Identifying cylinders
Course Topic		Activities Title
B. Moving forward	Relate Shapes ar	nd Solids
with 3d objects	Faces, Edges, and	d Vertices 1
	How Many Faces	?
	How many Edges	5?
	How many Vertic	res?
	Faces, Edges and	l Vertices
	Naming 3D Object	cts

Estimates, measure	<b>MA</b> es and compares ca volumes u	A2-3DS-02(B) pacities (internal volumes) using litres, millilitres and using cubic centimetres	
Existing Course	Skill Quests Skills		
AUS NSW Stage 2	Volume/capacity: L, mL, cubic cm (4)	Measuring capacity in millilitres	
Course Topic		Activities Title	
B. Moving on with	Using a Litre		
capacity	Millilitres and Litre	S	
	Litre Conversions		
	How many Blocks	?	
	Volume of Solids of	ind Prisms - 1 cm3 blocks	

## 2.7 Non-spatial measure A

	MA	A2-NSM-01(A)
Estimates, measu	ures and compares	the masses of objects using kilograms and grams
<b>Existing Course</b>	Skill Quests	Skills
AUS NSW Stage 2	Mass: kg and g	Using the kilogram to measure mass
	(3)	
Course Topic		Activities Title
Course Topic A. Non spatial	Everyday Mass	Activities Title
Course Topic A. Non spatial measure: Mass &	Everyday Mass Half Hour Times	Activities Title
Course Topic A. Non spatial measure: Mass & Time	Everyday Mass Half Hour Times Five Minute Times	Activities Title

MA2-NSM-02(A) Represents and interprets analog and digital time in hours, minutes and seconds			
Existing Course	Skill Quests	Skills	
AUS NSW Stage 2	Time: minutes, hours, seconds (3)	Telling the time to the minute	
AUS AC (v9) Year 03	Introduce units of time	Introducing minutes	
AUS AC (v9) Year 03	Duration & units of time	Understanding duration	
Course Topic	Activities Title		
A. Non spatial	Everyday Mass		
measure: Mass &	Half Hour Times		
Time	Five Minute Times What's the Temperature (Celsius)?		

## 2.8 Non-spatial measure B

MA2-NSM-01(B)			
Estimates, measures and compares the masses of objects using kilograms and grams			
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Mass: kg and g	Measuring in grams and kilograms	
	(4)		
Course Topic	Activities Title		
B. More non spatial	How Heavy?		
measure: Mass &	Ordering Mass (g)		
Time	What is the Time?		
	Quarter To and Quarter Past		

MA2-NSM-02(B)			
Represents and interprets analog and digital time in hours, minutes and seconds			
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Time: minutes, hours, seconds (4)	Converting time and solving time problems	
AUS NSW Stage 2	Time: minutes, hours, seconds (4)	Using AM and PM	
Course Topic	Activities Title		
B. More non spatial	How Heavy? Ordering Mass (g)		
measure: Mass &			
Time	What is the Time?		
	Quarter To and Quarter Past		

## 3 Statistics & Probability

#### 3.1 Data A

MA2-DATA-01(A)		
Collects discrete data and constructs graphs using a given scale		
Existing Course	Skill Quests	Skills
AUS NSW Stage 2	Display & interpret data (3)	Introducing the statistical investigation process
AUS NSW Stage 2	Display & interpret data (3)	Category data
AUS NSW Stage 2	Display & interpret data (3)	Statistical investigations
Course Topic	Activities Title	
A. Data	Sorting Data Column Graphs Picture Graphs: Single-Unit Scale Pictographs	
	Tallies	

MA2-DATA-02(A) Interprets data in tables, dot plots and column graphs			
Existing Course	Skill Quests	Skills	
AUS NSW Stage 2	Display & interpret data (3)	Comparing data displays	
Course Topic	Activities Title		
A. Data	Sorting Data		
	Column Graphs	Column Graphs	
	Picture Graphs: Single-Unit Scale Pictographs		
	Tallies		

#### 3.2 Data B

MA2-DATA-01(B)			
	Select and trial methods for data collection		
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Display & interpret data (4)	Select and trial methods for data collection	
AUS NSW Stage 2	Display & interpret data (4)	Column graphs using many-to-one correspondence	
AUS NSW Stage 2	Display & interpret data (4)	Picture graphs with many-to-one correspondence	

Course Topic	Activities Title		
B. Moving forward	Picture Graphs: with scale & half symbols		
with data	Reading from a Column Graph		
	Making Picture Graphs: With Scale		

MA2-DATA-02(B)			
Construct and interpret data displays with many-to-one scales			
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Display & interpret data (4)	Evaluating and comparing data displays	
Course Topic	Activities Title		
B. Moving forward	Picture Graphs: with scale & half symbols Reading from a Column Graph Making Picture Graphs: With Scale		
with data			

#### 3.3 Chance A

MA2-CHAN-01(A)			
Records and compares the results of chance experiments			
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Explore chance events (3)	Conducting chance experiments	
Course Topic	Activities Title		
A. Chance	Most Likely and Least Likely		
	How many Combinations?		
	Will it Happen?		

#### 3.4 Chance B

MA2-CHAN-01(B)			
Outo	Outcome text (bold outcome text if no outcome code present)		
<b>Existing Course</b>	Skill Quests	Skills	
AUS NSW Stage 2	Explore chance events (4)	Describing the chance of events occurring	
AUS NSW Stage 2	Explore chance events (4)	Exploring everyday events occurring	
AUS NSW Stage 2	Explore chance events (4)	Identifying the chance of events occurring	
Course Topic	Activities Title		
B. More chance	Introductory probability		
	Chance Gauge		
	What are the Chances?		



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