



## Australian Curriculum v9.0 Supplement for *Stepping Stones*

To support our *Stepping Stones* customers in implementing the latest version of the Australian Curriculum: Mathematics (AC:M), we have provided access to 112 *ORIGO Mathematics* learning experiences as a free supplemental resource.

You can access these learning experiences through the Content Alignment Tool (CAT) in *Stepping Stones*. The *ORIGO Mathematics* learning experiences are listed under the relevant content descriptors in the CAT. Select a link from the list to open the learning experience.

The screenshot shows the ORIGO Stepping Stones Content Alignment Tool (CAT) interface. The top navigation bar includes links for 'slate', 'channels', 'Stepping Stones', 'favourites', 'history', 'playlists', 'glossary', 'support', 'account', and 'logout'. The main content area is divided into two columns. The left column lists 'Year F' and 'NUMBER' with a list of AC9MFN01 through AC9MFN06, and 'AC9MFA01'. The right column shows the 'MEASUREMENT' and 'ACHIEVEMENT STANDARD' for 'AC9MFM01', which is 'Identify the attributes of mass, capacity, length and duration, and use direct comparison strategies to compare objects and events'. Below this, there is a section for 'Stepping Stones Lessons' with a list of lessons: 'MODULE 4 LESSON 5 Comparing and Ordering Lengths', 'MODULE 4 LESSON 6 Comparing Lengths', 'MODULE 6 LESSON 6 Comparing Mass', and 'MODULE 9 LESSON 5 Identifying Full and Empty'. At the bottom, there is a section for 'ORIGO Mathematics learning experiences' with a list of experiences: 'M002 M002: Sort Events by Duration of Time' and 'M003 M003: Discuss Short and Long Time Durations'.

*ORIGO Mathematics* learning experiences come with digital student resources, concise teaching notes, and answer keys. You can use the familiar *Slate* tools when casting student experience pages and annotating examples.

Combined with the current *Stepping Stones* resources, these additional learning experiences provide complete coverage of the content of the AC:M v9.0. For further information, please contact your ORIGO Education Resource Advisor.



## Stepping Stones Australian Curriculum: Mathematics v9.0 Supplement

### Foundation Year

Strand	Content Descriptor	<i>ORIGO Mathematics</i> Learning Experience
<b>Measurement</b>	AC9MFM01	M002: Sort Events by Duration of Time
	AC9MFM01	M003: Discuss Short and Long Time Durations
	AC9MFM02	M004: Describe Events for Day and Night
<b>Space</b>	AC9MFSP01	SSH001: Identify 2D Shapes from 3D Objects
	AC9MFSP01	SSH002: Introduce Triangles
	AC9MFSP01	SSH003: Introduce Squares
	AC9MFSP01	SSH004: Name 2D Shapes
	AC9MFSP01	SSH005: Compose 2D Shapes
	AC9MFSP02	SPL002: Act Out and Describe Spatial Positions
	AC9MFSP03	SPL003: Follow and Give Directions



## Stepping Stones Australian Curriculum: Mathematics v9.0 Supplement

### Year 1

Strand	Content Descriptor	<i>ORIGO Mathematics Learning Experience</i>
<b>Number</b>	AC9M1N01	WPV066: Represent Groups of Ten and 100
	AC9M1N01	WPV161: Analyse 100
	AC9M1N01	WPV162: Represent Three-Digit Numbers to 120 with Zeros (Base-10 Blocks, Expander)
	AC9M1N01	WPV163: Represent Three-Digit Numbers to 120 with Zeros (Base-10 Blocks, Expander, Words)
	AC9M1N01	WPV164: Represent Three-Digit Numbers to 120 with Teens (Base-10 Blocks, Expander, Words)
	AC9M1N01	WPV165: Represent Three-Digit Numbers to 120 (Base-10 Blocks, Place Value, Numeral)
	AC9M1N01	WPV166: Represent Three-Digit Numbers to 120
	AC9M1N03	NO142: Determine the Value of a Collection of Coins
	AC9M1N06	NO032: Make Equal Shares
	AC9M1N06	NO033: Distribute Objects for a Purpose
	AC9M1N06	NO034: Identify Equality
<b>Measurement</b>	AC9M1M03	M005: Describe the Order of Events
<b>Space</b>	AC9M1SP02	SLD001: Find and Draw a Path
	AC9M1SP02	SLD002: Move in Different Directions
	AC9M1SP02	SLD003: Follow Directions and Describe Location
<b>Statistics</b>	AC9M1ST01	SS008: Collect and Interpret Data
	AC9M1ST02	SS007: Interpret Yes/No Graphs (Horizontal)
	AC9M1ST02	ST001: Interpret and Compare Data in a One-to-One Display
	AC9M1ST02	ST002: Acquire, Record, and Interpret Data in a One-to-One Display
	AC9M1ST02	ST009: Interpret a Tally Chart and Compare the Data
	AC9M1ST02	ST010: Acquire and Record Data in a Tally Chart



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### Year 2

Strand	Content Descriptor	<i>ORIGO Mathematics</i> Learning Experience
<b>Measurement</b>	AC9M2M02	FR005: Identify One-Half (Area Model)
	AC9M2M02	FR007: Identify One-Half (Length Model)
	AC9M2M02	FR011: Identify One-Quarter (Area Model)
	AC9M2M02	FR012: Identify One-Quarter (Length Model)
	AC9M2M02	M001: Identify Halves, Quarters, and Eighths in a Real-World Context
<b>Space</b>	AC9M2SP02	SLD004: Follow Directions to Create a Path
	AC9M2SP02	SLD005: Follow Directions
	AC9M2SP02	SLD006: Find and Draw Routes
<b>Statistics</b>	AC9M2ST01	SBG001: Introduce a Numbered Axis on a Picture Graph
	AC9M2ST01	SBG006: Construct a Horizontal Bar Graph
	AC9M2ST02	SDP002: Interpret a Dot Plot
	AC9M2ST02	SDP004: Acquire and Display Data in a Dot Plot



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### Year 3

Strand	Content Descriptor	<i>ORIGO Mathematics</i> Learning Experience
Number	AC9M3N05	NO072: Estimate to Solve Problems (Addition)
	AC9M3N05	NO073: Estimate to Solve Problems (Subtraction)
Algebra	AC9M3A01	A001: Balance Number Sentences (Addition and Subtraction)
	AC9M3A01	A002: Explore Equality
Space	AC9M3SP02	SLD027: Create Two-Dimensional Representations of Familiar Environments
Statistics	AC9M3ST01	SBG013: Acquire and Represent Data in a Vertical Bar Graph
	AC9M3ST01	SDP006: Create a Dot Plot to Represent Data in a Table
	AC9M3ST03	SCT001: Identify a Statistical Question
	AC9M3ST03	SP007: Acquire and Represent Data in a One-to-One Picture Graph



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### Year 4

Strand	Content Descriptor	<i>ORIGO Mathematics Learning Experience</i>
<b>Number</b>	AC9M4N04	FR027: Count to Identify Fractions (Number Line Model)
	AC9M4N04	FR029: Read and Represent Fractions (Number Line Model)
	AC9M4N04	FR032: Represent Fractions as the Sum of Unit Fractions
	AC9M4N04	FR034: Represent and Count Thirds (Length Model)
	AC9M4N04	FR035: Represent and Count Quarters (Length Model)
	AC9M4N09	NO100: Create Algorithms and Describe Multiplicative Patterns (Sixes, Sevens, and Eights)
<b>Measurement</b>	AC9M4M01	M006: Make a Ruler
	AC9M4M01	M007: Create a Sundial
<b>Space</b>	AC9M4SP01	SSH026: Combine Familiar Shapes
<b>Statistics</b>	AC9M4ST03	SBG015: Acquire and Represent Data in a Horizontal Bar Graph
<b>Probability</b>	AC9M4P02	PR012: Conduct Repeated Chance Experiments to Discuss Variation



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### Year 5

Strand	Content Descriptor	ORIGO Mathematics Learning Experience
Number	AC9M5N09	NO119: Use Addition and Subtraction to Solve Financial Problems
	AC9M5N10	NO120: Create an Algorithm to Test If a Number Has Given Factors
Algebra	AC9M5A01	A003: Apply the Connection Between Multiplication and Division
	AC9M5A02	A004: Explore Equality with Missing Values
Measurement	AC9M5M01	M008: Choose Appropriate Units for Length
	AC9M5M01	M009: Choose Appropriate Units for Mass
	AC9M5M01	M010: Choose Appropriate Units for Capacity
	AC9M5M03	M011: Introduce 24-Hour Time
	AC9M5M03	M012: Convert Between 12- and 24-Hour Time
Space	AC9M5SP01	SOB019: Analyse Platonic Solids
	AC9M5SP01	SOB020: Introduce Nets
	AC9M5SP01	SOB021: Identify Nets of Prisms and Pyramids
	AC9M5SP02	SLD020: Use Different Grid Systems to Locate Position
	AC9M5SP02	SLD021: Use a Coordinate Grid on a Map
	AC9M5SP02	SLD022: Interpret Maps and Use Scale
	AC9M5SP03	STT025: Explore Semi-Regular Tessellations in a Digital Environment
Statistics	AC9M5ST01	SCT004: Identify the Mode of Dot Plot Data
	AC9M5ST02	SLG004: Describe the Shape of Data in a Line Graph
	AC9M5ST02	SLG007: Create a Story to Match Data Shapes
	AC9M5ST02	SLG008: Compare Data Displays
	AC9M5ST03	SCT002: Create a Dot Plot from Acquired Data
	AC9M5ST03	SCT003: Use Data Shape for Dot Plot Analysis
Probability	AC9M5P01	PR017: Explore Chance Experiments Involving Equal and Unequal Outcomes
	AC9M5P02	PR016: Explore Outcomes of Equal and Unequal Chance Experiments



## Stepping Stones Australian Curriculum: Mathematics v9.0 Supplement

### Year 6

Strand	Content Descriptor	ORIGO Mathematics Learning Experience
Number	AC9M6N01	WP038: Represent Integers on a Vertical Number Line
	AC9M6N01	WP039: Use Integers to Program Sprites to Move
	AC9M6N01	WP040: Develop a System for Keeping Financial Records
	AC9M6N01	WP041: Balance a Simple Budget
	AC9M6N02	NO123: Use Combinations of the First Three Prime Numbers to Create Multiples
	AC9M6N02	NO124: Investigate Square Numbers
Algebra	AC9M6A01	A005: Work with Multiplication and Addition Patterns
	AC9M6A01	A006: Analyse Number Patterns
	AC9M6A02	A007: Apply the Order of Operations
	AC9M6A02	A008: Find Pairs of Unknown Values in Numerical Equations
	AC9M6A03	A009: Interpret Tables
	AC9M6A03	A010: Investigate Number Patterns and Rules
Space	AC9M6SP01	SOB026: Compare Cross-Sections of Right Prisms
	AC9M6SP03	STT022: Tessellate One Shape (Slide, Flip, and Turn)
	AC9M6SP03	STT023: Explore Regular Tessellations (Fractals)
	AC9M6SP03	STT024: Tessellate Two Different Polygons
	AC9M6SP03	STT025: Explore Semi-Regular Tessellations in a Digital Environment
Statistics	AC9M6ST01	SCT008: Identify Range and Modal Class of Interval Data
	AC9M6ST01	SCT009: Identify Appropriate Data Intervals
	AC9M6ST02	SBG028: Analyse Misleading Data Representations
	AC9M6ST02	SBG029: Reconstruct a Vertical Bar Graph Showing Misleading Data
	AC9M6ST02	SBG030: Use Misleading Data to Support a Viewpoint
	AC9M6ST03	SBG024: Construct and Interpret a Horizontal Bar Graph with a Broken Axis
Probability	AC9M6P02	PR022: Generate and Record the Outcomes from Many Trials
	AC9M6P02	PR023: Compare Observed and Expected Frequencies of Outcomes