Scope and Sequencing in Mathematics: example only, scope and sequences need to reflect school context and student needs

Outcomes	MA2-1WM, MA2-	2WM, MA2-3WM, MA2-4N	MA2-1WM, MA2-2WM, MA2-3WM, MA2-6NA, MA2-7NA		
Substrand	Whole Numbers	Length	Addition & Subtraction	<b>Multiplication &amp; Division</b>	Patterns & Algebra
Key Ideas	Count forwards and backwards by tens and hundreds from any starting point State the place value of digits in numbers of up to four digits	Use metres, centimetres and millimetres to measure, compare, order and estimate lengths	Model and apply the associative property for addition Use and record a range of mental strategies for addition and subtraction of two-, three- and four-digit numbers	Recall multiplication facts for twos, threes, fives and tens	Identify, continue, create, describe and record increasing and decreasing number pattern
Concepts	Counting Tens and ones can be counted on and off the decade Place value 100 can be represented as one hundred 'ones', ten 'tens' and one unit of a 'hundred'	Place value A countable unit needs to be repeated to measure length Length can be partitioned into units and counted <b>Knowledge of units</b> Units used to measure must be identical for comparison	Mental Computation Flexible reorganising of units to solve problems Associative property The order of numbers can be rearranged or regrouped to aid in calculation Combining & Partitioning Part-whole knowledge of combinations to ten Making a ten can be used as a base for further addition	Repeated Addition Numbers can be used as a countable unit to repeat 'skip counting' 'doubling' Coordinating composite units The number in each unit and the number of units are coordinated for counting Mental Strategies Visualises the rows and columns	<b>Recognising patterns</b> Patterns are equal groups of countable units Numbers can be counted as units to create and continue patterns
elated Content	<ul> <li>make the largest and sm</li> <li>identify the number before</li> <li>describe the number begiven number (Commun</li> <li>count forwards and backwar</li> <li>1240, (on the decade); 42</li> <li>Recall addition facts for single-digefficient mental strategies for co</li> <li>add three or more single-dig</li> <li>model and apply the associ</li> <li>+ 8 + 3 = 10 + 3 = 13</li> <li>apply known single-digit ad subtraction of two-, three-</li> <li>Measure, order and compare obj</li> <li>measure lengths and distan</li> </ul>	o four digits using objects, wor hallest number from four given and after a given two-, three- fore as 'one less than' and the hicating) ards by tens and hundreds on 23, 323, 223, (off the decade git numbers and related subtr mputation (ACMNA055) git numbers ative property of addition to a dition and subtraction facts to and four-digit numbers	<ul> <li>Recall multiplication facts of two, three, five and ten and related division facts (ACMNA056)</li> <li>count by twos, threes, fives or tens using skip counting</li> <li>use mental strategies to recall multiplication facts for multiples of two, three, five and ten</li> <li>relate 'doubling' to multiplication facts for multiples of two, eg 'Double three is six' (Reasoning)</li> <li>Describe, continue and create number patterns resulting from performing addition or subtraction (ACMNA060)</li> <li>identify and describe patterns when counting forwards or backwards by threes, fours, sixes, sevens, eights and nines from any starting point</li> <li>model, describe and then record number patterns using diagrams, words or symbols ask questions about how number patterns have been created and how they can be continued (Communicating)</li> </ul>		

Scope and Sequencing in Mathematics: example only, scope and sequences need to reflect school context and student needs

Outcomes	MA2-1WM, MA2-2WM, MA2-3WM, MA2-4NA, MA2-5NA, MA2-9MG			MA2-1WM, MA2-2WM, MA2-3WM, MA2-6NA, MA2-7NA			
Substrand	Whole Numbers	Length	Addition & Subtraction	Multiplication & Division	Patterns & Algebra	the students to d The key ideas are	
Key ideas	Count forwards and backwards by tens and hundreds from any starting point State the place value of digits ir numbers of up to four digits	measure, compare, order and estimate lengths	Model and apply the associative property for addition Use and record a range of mental strategies for addition and subtraction of two-, three- and four-digit numbers		Identify, continue, create, describe and record increasing and decreasing number patterns	addition to the syllabus conter and are overarch big ideas of eac substrand and i content	
	Counting	Place value	Mental Computation	Repeated Addition	Recognising patterns	1	
Concepts	Tens and ones can be counted on and off the decade <b>Place value</b> 100 can be represented as one hundred 'ones', ten 'tens' and one unit of a 'hundred'	A countable unit needs to be repeated to measure length Length can be partitioned into units and counted <b>Knowledge of units</b> Units used to measure must be identical for comparison	Flexible reorganising of units to solve problems Associative property The order of numbers can be rearranged or regrouped to aid in calculation Combining & Partitioning Part-whole knowledge of combinations to ten	Numbers can be used as a countable unit to repeat 'skip counting' 'doubling' <b>Coordinating composite units</b> The number in each unit and the number of units are coordinated for counting <b>Mental Strategies</b> Visualises the rows and columns	Patterns are equal groups of countable units Numbers can be counted as units to create and continue patterns	What do you wa the students to know?	
Ŝ		d order numbers to at least 10 (	Making a ten can be used as a base for further addition		three five and ten and related	Concepts are understanding	
epts can be difficult point and there are concepts that make oader mathematical enumber are the subset of the decade, eg 12 decade); 423, 323, 223, (off the decade)			ords, numerals and digital displays en digits (Communicating) e- or four-digit number ne number after as 'one more than' a	<ul> <li>Recall multiplication facts of two, division facts (ACMNA056)</li> <li>count by twos, threes, fives</li> <li>use mental strategies to recamultiples of two, three, five</li> <li>relate 'doubling' to mutwo, eg 'Double three i</li> </ul>	that develop ov time. Starts robust professional discussion		
achers with what cts for single-digi		it numbers and related subtraction facts to develop increasingly		Describe, continue and create number patterns resulting from performing addition or subtraction (ACMNA060)			
trategies for computation (ACMNA055) or more single-digit numbers d apply the associative property of addition to aid mental computation, e 0 + 3 = 13 wn single-digit addition and subtraction facts to mental strategies for addition of two-, three- and four-digit numbers				model, describe and then record number patterns			
<ul> <li>Measure, order and compare objects using familiar metric units of length (ACMMG061)</li> <li>measure lengths and distances using metres and centimetres</li> <li>record lengths and distances using metres and centimetres, eg 1 m 25 cm</li> </ul>			retres Rel	Related content is the syllabus descriptors and content statements.			
				eed to not only match your ut need to be chosen based	· · · ·		