

Curriculum Correlation

Measurement Cluster 2: Using Standard Units

Ontario

Curriculum Expectations	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Overall Expectations M1 Attributes, Units, and Measurement Sense: estimate, measure, and record length, perimeter, area, mass, capacity, time, and temperature, using non-standard units and standard units Cross Strand: Number N2 Counting: demonstrate an understanding of magnitude by counting forward to 200 and backwards from 50, using multiples of various numbers as starting points			
M1.1 choose benchmarks – in this case, personal referents – for a centimetre and a metre to help them perform measurement tasks M1.2 estimate and measure length, height, and distance, using standard units (i.e., centimetre, metre) and non-standard units M1.3 record and represent measurements of length, height, and distance in a variety of ways (e.g., written, pictorial, concrete) M1.4 select and justify the choice of a standard unit (i.e., centimetre or metre) or a nonstandard unit to measure length	Below Grade: Intervention 3: Iterating the Unit 4: Using a Centicube Ruler On Grade: Teacher Cards 8: Benchmarks and Estimation (M1.1, M1.2, M1.3, N2.1) 9: The Metre (M1.2, M1.3, N2.1) 10: The Centimetre (M1.2, M1.3, N2.1) 11: Metres or Centimetres? (M1.2, M1.3, M1.4, N2.1) 12: Using Standard Units Consolidation (M1.2, M.3, M1.4, N1.9) On Grade: Math Every Day Card 2: What Am I? (M1.2) Which Unit? (M1.4)	On Grade: <ul style="list-style-type: none"> The Discovery (Activities 8, 9, 12) Above Grade: <ul style="list-style-type: none"> Measurements About YOU! (Activities 8, 9, 10, 12) The Bunny Challenge (Activities 9, 10, 12) Goat Island (Activities 9, 10, 12) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Selecting and Using Standard Units to Estimate, Measure, and Make Comparisons <ul style="list-style-type: none"> Demonstrates ways to estimate, measure, compare, and order objects by length, perimeter, area, capacity, and mass with standard units by <ul style="list-style-type: none"> using an intermediary object of a known measure using multiple copies of a unit (Activity 10) iterating a single unit (Activities 9, 11, 12) Selects and uses appropriate standard units to estimate, measure, and compare length, perimeter, area, capacity, mass, and time. (Activities 9, 10, 11, 12; MED 2: 1, 2) Uses the measurement of familiar objects as benchmarks to estimate another measure in standard units. (Activities 8, 9, 10, 12; MED 2: 1) Big Idea: Many things in our world (e.g., objects, spaces, events) have attributes that can be measured and compared. Understanding Attributes That Can Be Measured <ul style="list-style-type: none"> Understands that some things have more than one attribute that can be measured. (Activities 8, 9, 10, 11, 12) Extends understanding of length to other linear measurements (e.g., height, width, distance around). (Activities 9, 11, 12)

Curriculum Correlation

Measurement Cluster 2: Using Standard Units

Ontario (continued)

N2.1 count forward by 1's, 2's, 5's, 10's, and 25's to 200, using number lines and hundreds charts, starting from multiples of 1, 2, 5, and 10			Big Idea: Numbers tell us how many and how much. Applying the Principles of Counting - Says the number name sequence forward through the teen numbers. (Activities 8, 9, 10, 11, 12)
---	--	--	--

Curriculum Correlation

Measurement Cluster 2: Using Standard Units

British Columbia/Yukon

Learning Standards	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Big Idea Objects and shapes have attributes that can be described, measured, and compared. Cross Strand: Number Numbers to 100 represent quantities that can be decomposed into 10s and 1s.			
M1 Direct linear measurement, introducing standard metric units <ul style="list-style-type: none"> M2.1 centimetres and metres M2.2 estimating length M2.3 measuring and recording length, height, and width using standard units 	Below Grade: Intervention 3: Iterating the Unit 4: Using a Centicube Ruler On Grade: Teacher Cards 8: Benchmarks and Estimation (M2.1, M2.2) 9: The Metre (M2.1, M2.2, M2.3) 10: The Centimetre (M2.1, M2.2, M2.3) 11: Metres or Centimetres? (M2.1, M2.3) 12: Using Standard Units Consolidation (M2.1, M2.2, M2.3) On Grade: Math Every Day Card 2: What Am I? (M2.2) Which Unit? (M2.1)	On Grade: <ul style="list-style-type: none"> The Discovery (Activities 8, 9, 12) Above Grade: <ul style="list-style-type: none"> Measurements About YOU! (Activities 8, 9, 10, 12) The Bunny Challenge (Activities 9, 10, 12) Goat Island (Activities 9, 10, 12) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Selecting and Using Standard Units to Estimate, Measure, and Make Comparisons <ul style="list-style-type: none"> - Demonstrates ways to estimate, measure, compare, and order objects by length, perimeter, area, capacity, and mass with standard units by <ul style="list-style-type: none"> • using an intermediary object of a known measure • using multiple copies of a unit (Activity 10) • iterating a single unit (Activities 9, 11, 12) - Selects and uses appropriate standard units to estimate, measure, and compare length, perimeter, area, capacity, mass, and time. (Activities 9, 10, 11, 12; MED 2: 1, 2) - Uses the measurement of familiar objects as benchmarks to estimate another measure in standard units. (Activities 8, 9, 10, 12; MED 2: 1) Big Idea: Many things in our world (e.g., objects, spaces, events) have attributes that can be measured and compared. Understanding Attributes That Can Be Measured <ul style="list-style-type: none"> - Understands that some things have more than one attribute that can be measured. (Activities 8, 9, 10, 11, 12) - Extends understanding of length to other linear measurements (e.g., height, width, distance around). (Activities 9, 11, 12) Big Idea: Numbers tell us how many and how much. Applying the Principles of Counting <ul style="list-style-type: none"> - Says the number name sequence forward through the teen numbers. (Activities 8, 9, 10, 11, 12)