

Curriculum Correlation

Measurement Cluster 3: Time and Temperature

Ontario

Curriculum Expectations	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Overall Expectations Attributes, Units, and Measurement Sense: estimate, measure, and record length, perimeter, area, mass, capacity, time, and temperature, using non-standard units and standard units Measurement Relationships: compare, describe, and order objects, using attributes measured in non-standard units and standard units. Cross Strand: Number Counting: demonstrate an understanding of magnitude by counting forward to 200 and backwards from 50, using multiples of various numbers as starting points			
M2.8 tell and write time to the quarter-hour, using demonstration digital and analogue clocks M2.9 construct tools for measuring time intervals in non-standard units M2.10 describe how changes in temperature affect everyday experiences M2.11 use a standard thermometer to determine whether temperature is rising or falling	Below Grade: Intervention 5: Months of the Year 6: Telling Time On Grade: Teacher Cards 13: Days and Weeks (M2.14, N2.9) 14: Months in a Year (M2.14, N2.9) 15: Measuring Time (M2.9, N2.9) 16: Time to the Quarter-Hour (M2.8, N2.9) 17: Changes in Temperature (M2.10, M2.11) 18: Time and Temperature Consolidation (M2.8, M2.10, M2.11, M2.14, N2.9)	On Grade: <ul style="list-style-type: none"> Getting Ready for School (Activities 15, 18) Above Grade: <ul style="list-style-type: none"> Goat Island (Activities 14, 15, 17, 18) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Understanding Relationships Among Measurement Units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours). (Activities 13, 14, 18; MED 3A: 2, MED 3B: 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 - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature). (Activities 15, 16, 17, 18; MED 3A: 1; MED 3B: 2) 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 13, 14, 15, 18; MED 3A: 2; MED 3B: 1) - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activities 16, 18; MED 3A: 1)
M2.14 determine, through investigation, the relationship between days and weeks and between months and years.	On Grade: Math Every Day Card 3A: Hula Hoop Clock (M2.8, N2.9) Calendar Questions (M2.14, N2.9)		

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Ontario (continued)

N2.9 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	Card 3B: Monthly Mix-Up (M2.14; N2.9) Thermometer Drop or Pop (M2.10, M2.11)		Big Idea: Numbers are related in many ways. Comparing and Ordering Quantities - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March). (Activities 13, 14, 18; MED 3A: 2; MED 3B: 1)
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New Brunswick/Prince Edward Island/Newfoundland and Labrador

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Use direct or indirect measurement to solve problems. Cross Strand: Number Develop number sense.			
2SS1 Relate the number of days to a week and the number of months to a year in a problem-solving context. 2N3 Describe order or relative position using ordinal numbers (up to tenth)	Below Grade: Intervention 5: Months of the Year 6: Telling Time On Grade: Teacher Cards 13: Days and Weeks (2SS1, 2N3) 14: Months in a Year (2SS1, 2N3) 15: Measuring Time 16: Time to the Quarter-Hour 17: Changes in Temperature 18: Time and Temperature Consolidation On Grade: Math Every Day Card 3A: Hula Hoop Clock Calendar Questions (2SS1, 2N3) Card 3B: Monthly Mix-Up (2SS1, 2N3) Thermometer Drop or Pop	On Grade: <ul style="list-style-type: none"> Getting Ready for School (Activities 15, 18) Above Grade: <ul style="list-style-type: none"> Goat Island (Activities 14, 15, 17, 18) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Understanding Relationships Among Measurement Units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours). (Activities 13, 14, 18; MED 3A: 2, MED 3B: 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 - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature). (Activities 15, 16, 17, 18; MED 3A: 1; MED 3B: 2) 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 13, 14, 15, 18; MED 3A: 2; MED 3B: 1) - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activities 16, 18; MED 3A: 1) Big Idea: Numbers are related in many ways. Comparing and Ordering Quantities - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March). (Activities 13, 14, 18; MED 3A: 2; MED 3B: 1)

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Manitoba

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Use direct or indirect measurement to solve problems. Cross Strand: Number Develop number sense.			
2.SS.1 Relate the number of days to a week and the number of months to a year in a problem-solving context. 2.N.3 Describe order or relative position using ordinal numbers.	Below Grade: Intervention 5: Months of the Year 6: Telling Time On Grade: Teacher Cards 13: Days and Weeks <i>(2.SS.1, 2.N.3)</i> 14: Months in a Year <i>(2.SS.1, 2.N.3)</i> 15: Measuring Time 16: Time to the Quarter-Hour 17: Changes in Temperature 18: Time and Temperature Consolidation On Grade: Math Every Day Card 3A: Hula Hoop Clock Calendar Questions <i>(2.SS.1, 2.N.3)</i> Card 3B: Monthly Mix-Up <i>(2.SS.1, 2.N.3)</i> Thermometer Drop or Pop	On Grade: <ul style="list-style-type: none"> Getting Ready for School <i>(Activities 15, 18)</i> Above Grade: <ul style="list-style-type: none"> Goat Island <i>(Activities 14, 15, 17, 18)</i> 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Understanding Relationships Among Measurement Units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours). <i>(Activities 13, 14, 18; MED 3A: 2, MED 3B: 1)</i> 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 - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature). <i>(Activities 15, 16, 17, 18; MED 3A: 1; MED 3B: 2)</i> 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. <i>(Activities 13, 14, 15, 18; MED 3A: 2; MED 3B: 1)</i> - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. <i>(Activities 16, 18; MED 3A: 1)</i> Big Idea: Numbers are related in many ways. Comparing and Ordering Quantities - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March). <i>(Activities 13, 14, 18; MED 3A: 2; MED 3B: 1)</i>

Mathology 2

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Nova Scotia

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Students will be expected to use direct and indirect measure to solve problems. Cross Strand: Number Students will be expected to develop number sense.			
2M01 Students will be expected to demonstrate an understanding of the calendar and the relationships among days, weeks, months, and years. 2N03 Students will be expected to describe order or relative position using ordinal numbers (up to tenth).	Below Grade: Intervention 5: Months of the Year 6: Telling Time On Grade: Teacher Cards 13: Days and Weeks (2M01, 2N03) 14: Months in a Year (2M01, 2N03) 15: Measuring Time 16: Time to the Quarter-Hour 17: Changes in Temperature 18: Time and Temperature Consolidation On Grade: Math Every Day Card 3A: Hula Hoop Clock Calendar Questions (2M01, 2N03) Card 3B: Monthly Mix-Up (2M01, 2N03) Thermometer Drop or Pop	On Grade: <ul style="list-style-type: none"> Getting Ready for School (Activities 15, 18) Above Grade: <ul style="list-style-type: none"> Goat Island (Activities 14, 15, 17, 18) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Understanding Relationships Among Measurement Units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours). (Activities 13, 14, 18; MED 3A: 2, MED 3B: 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 - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature). (Activities 15, 16, 17, 18; MED 3A: 1; MED 3B: 2) 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 13, 14, 15, 18; MED 3A: 2; MED 3B: 1) - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activities 16, 18; MED 3A: 1) Big Idea: Numbers are related in many ways. Comparing and Ordering Quantities - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March). (Activities 13, 14, 18; MED 3A: 2; MED 3B: 1)

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Alberta/Northwest Territories/Nunavut

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
General Outcome Use direct and indirect measurement to solve problems. Cross Strand: Number Develop number sense.			
2SS1 Relate the number of days to a week and the number of months to a year in a problem-solving context. 2N3 Describe order or relative position, using ordinal numbers (up to tenth)	Below Grade: Intervention 5: Months of the Year 6: Telling Time On Grade: Teacher Cards 13: Days and Weeks (2SS1, 2N3) 14: Months in a Year (2SS1, 2N3) 15: Measuring Time 16: Time to the Quarter-Hour 17: Changes in Temperature 18: Time and Temperature Consolidation On Grade: Math Every Day Card 3A: Hula Hoop Clock Calendar Questions (2SS1, 2N3) Card 3B: Monthly Mix-Up (2SS1, 2N3) Thermometer Drop or Pop	On Grade: <ul style="list-style-type: none"> Getting Ready for School (Activities 15, 18) Above Grade: <ul style="list-style-type: none"> Goat Island (Activities 14, 15, 17, 18) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Understanding Relationships Among Measurement Units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours). (Activities 13, 14, 18; MED 3A: 2, MED 3B: 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 - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature). (Activities 15, 16, 17, 18; MED 3A: 1; MED 3B: 2) 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 13, 14, 15, 18; MED 3A: 2; MED 3B: 1) - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activities 16, 18; MED 3A: 1) Big Idea: Numbers are related in many ways. Comparing and Ordering Quantities - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March). (Activities 13, 14, 18; MED 3A: 2; MED 3B: 1)

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Saskatchewan

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Goals Spatial Sense, Logical Thinking, Number Sense, Mathematics as a Human Endeavour Cross Strand: Number			
Note: Teacher Cards 13 and 14 are not required by your curriculum. However, they are recommended to help prepare students for the work they will do with the passage of time in Grade 3.	Below Grade: Intervention 5: Months of the Year 6: Telling Time	On Grade: <ul style="list-style-type: none"> Getting Ready for School (Activities 15, 18) Above Grade: <ul style="list-style-type: none"> Goat Island (Activities 14, 15, 17, 18) 	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Understanding Relationships Among Measurement Units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours). (Activities 13, 14, 18; MED 3A: 2, MED 3B: 1)
	On Grade: Teacher Cards 13: Days and Weeks 14: Months in a Year 15: Measuring Time 16: Time to the Quarter-Hour 17: Changes in Temperature 18: Time and Temperature Consolidation		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 - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature). (Activities 15, 16, 17, 18; MED 3A: 1; MED 3B: 2)
	On Grade: Math Every Day Card 3A: Hula Hoop Clock Calendar Questions Card 3B: Monthly Mix-Up Thermometer Drop or Pop		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 13, 14, 15, 18; MED 3A: 2; MED 3B: 1) - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. (Activities 16, 18; MED 3A: 1)
			Big Idea: Numbers are related in many ways. Comparing and Ordering Quantities - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March). (Activities 13, 14, 18; MED 3A: 2; MED 3B: 1)