Pearson Mathology

Alberta Mathology Kits (Prior to 2023) and Mathology.ca

GRADE 2

This document supports the use of Mathology Grade 2 kits, printed prior to 2023. Teachers can use this document, alongside Mathology.ca Grade 2 to make best use of the teacher and student cards in the kit with the new curriculum.

Green-New Lesson
Yellow-Adaptations have been made to match with the new curriculum
~~Red~~-No longer aligns with the new curriculum
*-New Lesson Mathology.ca

Strand/Unit	Mathology.ca	Print Kit Prior to 2023
Number		
Counting	1: Counting to 1000* 2: Skip-Counting Forward* 3: Skip-Counting Flexibly 4: Consolidation	~~1: Bridging Tens~~ 2: Counting to 1000 (Gr3) *2: Skip-Counting Forward (ON)* *3: Skip-Counting Flexibly* ~~4: Skip-Counting Backward~~ *4: Consolidation (ON)* ~~5: Consolidation~~ <u>Math Every Day Cards</u> *1A: Skip-Counting on a Hundred Chart* ~~1A: Skip-Counting from Any Number~~ *1B: Skip-Counting with Actions* ~~1B: What's Wrong? What's Missing?~~ <u>Intervention</u> 1: Skip-Counting with Objects ~~2: Skip-Counting Backward~~
Number Relationships 1	5: Estimating Quantities 6: Comparing and Ordering Numbers 7: Odd and Even Numbers 8: Consolidation	5: Estimating Quantities (Gr3) ~~6: Comparing Quantities~~ ~~7: Ordering Quantities~~ 7: Comparing and Ordering Quantities (Gr3) *8: Odd and Even Numbers (ON)* ~~9: Ordinal Numbers~~ ~~10: Estimating with Benchmarks~~ ~~11: Decomposing to 20~~

		12: Consolidation Math Every Day Cards ~~2A: Show Me in Different Ways~~ 2A: Guess My Number ~~2B: Math Commander~~ *2B: Building an Open Number Line* Intervention ~~3: My 10 Bracelet~~ ~~4: Who Has More?~~
Grouping and Place Value	9: Building Numbers 10: Representing Numbers in Different Ways 11: What's the Number? 12: Making a Number Line 13: Consolidation	~~13: Building Numbers~~ 9: Building numbers (Gr3) 10: Representing Numbers in Different Ways (Gr3) 11: What's the Number? (Gr3) *14: Making a Number Line* ~~15: Grouping to Count~~ 16: Consolidation (Gr3) Math Every Day Cards *3A: Adding Ten* *3A: Taking Away Ten* *3B: Thinking Tens* *3B: Describe Me* Intervention 5: Adding Tens 6: Taking Away Tens
Early Fractional Thinking	14: Equal Parts 15: Comparing Fractions 1 16: Comparing Fractions 2 17: Comparing Fractions of Different Wholes* 18: Modelling One Whole with Unit Fractions* 19: Partitioning Sets 20: Consolidation	*17: Equal Parts* *18: Comparing Fractions 1* *19: Comparing Fractions 2* ~~20: Regrouping Fractional Parts~~ 17: Partitioning Sets (Gr3) *21: Consolidation* Math Every Day Cards ~~4A: Equal Parts from Home~~ *4A: Modelling Fraction Amounts* ~~4B: Regrouping Equal Parts~~ 4B: Naming Equal Parts Intervention ~~7: Exploring Equal Parts~~ *8: Naming Fractional Amounts*
Number Relationships 2	21: Benchmarks on a Number Line 22: Decomposing 100 23: Jumping on the Number Line	*23: Benchmarks on a Number Line (ON)* *23: Decomposing 50* *24: Jumping on the Number Line (ON)*

	24: Consolidation	*25: Consolidation* <u>Math Every Day Cards</u> 5A: Which Ten Is Nearer? 5A: Building Numbers ~~5B: How Many Ways?~~ ~~5B: What's the Unknown Part?~~ <u>Intervention</u> 9: Making 20 10: The Other Part of 10
Conceptualizing Addition and Subtraction	25: Visualizing 100 with Groups of 10* 26: Exploring Properties 27: Exploring the Associative Property 28: Solving Problems 1 29: Solving Problems 2 30: Solving Problems 3 31: Solving Problems 4 32: Consolidation	26: Exploring Properties 10. Exploring the Associative Property (Gr3) *27: Solving Problems 1* *28: Solving Problems 2* *29: Solving Problems 3* *30: Solving Problems 4* *31: Consolidation* <u>Math Every Day Cards</u> 6: What Math Do You See? 6: What Could the Story Be? <u>Intervention</u> 11: Adding and Subtracting to 20 12: Solving Story Problems
Operational Fluency	33: Using Doubles 34: Mastering Addition and Subtraction Facts 35: Multi-Digit Fluency 36: Consolidation	~~32: Complements of 10~~ *33: Using Doubles* ~~34: Fluency with 20~~ 23: Mastering Addition and Subtraction Facts (Gr3) *35: Multi-Digit Fluency* *36: Consolidation* <u>Math Every Day Cards</u> 7A: Doubles and Near-Doubles 7A: I Have… I Need… *7B: Hungry Bird* 7B: Make 10 Sequences <u>Intervention</u> 13: Making 10 14: Finding Doubles
Early Multiplicative Thinking	37: Grouping in 2s, 5s, and 10s 38: Making Equal Shares 39: Making Equal Groups 40: Consolidation*	*37: Grouping in 2s, 5s, and 10s* *38: Making Equal Shares* *39: Making Equal Groups* ~~40: Exploring Repeated Addition~~

		~~41: Repeated Addition and Multiplication~~ ~~42: Consolidation~~ Math Every Day Cards 8A: Counting Equal Groups to Find How Many ~~8A: I Spy~~ 8B: How Many Blocks? ~~8B: How Many Ways?~~ Intervention 15: How Many Do You See? 16: Messy and Organize It
Financial Literacy	41: Estimating Money 42: Earning Money 43: Spending Money 44: Saving Regularly 45: Money up to $100 46: Consolidation	*43: Estimating Money* *44: Earning Money* *45: Spending Money* *46: Saving Regularly* 47: Money to $200 (Gr2-title change) 47: Consolidation Math Every Day Cards *9: Collections of Coins* 9: Showing Money in Different Ways Intervention 17: Counting Coins 18: Wants and Needs

Strand/Unit	Mathology.ca	Print Kit Prior to 2023
Patterning and Algebra		
Repeating Patterns	1: Exploring Patterns 2: Finding Patterns 3: Extending and Predicting 4: Errors and Missing Elements 5: Combining Attributes 6: Consolidation	*1. Exploring Patterns* 4. Finding Patterns (Gr1) *2. Extending and Predicting Patterns* *3. Errors and Missing Elements* *4. Combining Attributes* *5. Consolidation* Math Every Day Card 1: Show Another Way ~~1: Repeating Patterns Around Us~~ Intervention 1: Finding the Core 2: Representing Patterns

Increasing and Decreasing Patterns	7: Increasing Patterns 1 8: Increasing Patterns 2 9: Reproducing Patterns 10: Creating Patterns 11: Errors and Missing Terms 12: Solving Problems 13: Consolidation	*6. Increasing Patterns 1* *7. Increasing Patterns 2* ~~8. Decreasing Patterns~~ ~~9. Extending Patterns~~ *10. Reproducing Patterns* *11. Creating Patterns* *12. Errors and Missing Terms* *13. Solving Problems* *14. Consolidation* Math Every Day Card 2A: How Many Can We Make? 2A: Error Hunt ~~2B: Making Increasing which Patterns~~ ~~2B: Making Decreasing Patterns~~ Intervention *3: Skip-Counting* *4: Repeated Addition and Subtraction*
Equality and Inequality	14: Equal and Unequal Sets 15: Equal or Not Equal? 16: Exploring Number Sentences 17: Missing Numbers 18: Consolidation	*15. Equal and Unequal Sets* *16. Equal or Not Equal?* *17. Exploring Number Sentences* ~~18. Exploring Properties~~ *19. Missing Numbers* *20. Consolidation* Math Every Day Card *3A: Equal or Not Equal?* *3A: How Many Ways?* *3B: Which One Doesn't Belong?* 3B: What's Missing? Intervention 5: Exploring 10 6: Balancing Sets

Strand/Unit	Mathology.ca	Print Kit Prior to 2023
Measurement		
Measuring Length (Combine Using Non-Standard Units and Using Standard Units)	1: Measuring Length 1 2: Measuring Length 2 3: Measuring Distance Around 4: Benchmarks and Estimation 5: Using a Centicube Ruler 6: First Nations, Métis, and Inuit Use of Land to Estimate Length* 7: Consolidation	1. Measuring Length 1 2. Measuring Length 2 3. Measuring Distance Around ~~4. Measuring Mass~~ ~~5. Measuring Area~~ ~~6. Measuring Capacity~~ *7. Consolidation* *8. Benchmarks and Estimation* ~~9. The Metre~~

		~~10. The Centimetre~~ ~~11. Metres or Centimetres?~~ *12. Consolidation* *4: Using a Centicube Ruler (Intervention)* Math Every Day Card *1: Estimation Scavenger Hunt** *1: Estimation Station** *2: What Am I?* *2: Which Unit?* Intervention 1: Exploring Length ~~2: Conserving Area~~ 3: Iterating the Unit ~~4: Using a Centicube Ruler~~
Time	8: Days and Weeks 9: Months in a Year 10: Measuring Time 11: Duration of Time 12: Measuring the Duration of Time* 13: First Nations Winter Counts* 14: Consolidation*	Time and Temperature 13. Days and Weeks 14. Months in a Year 15. Measuring Time 8. Measuring the Passage of Time (Gr1) ~~16. Time to the Quarter Hour~~ ~~17. Changes in Temperature~~ ~~18. Consolidation~~ Math Every Day Card ~~3A: Hula Hoop Clock~~ 3A: Calendar Questions 3B: Monthly Mix-Up ~~3B: Thermometer Drop or Pop~~ Intervention 5: Months of the Year ~~6: Telling Time~~

Strand/Unit	Mathology.ca	Print Kit Prior to 2023
Geometry		
2-D Shapes	1: Sorting 2-D Shapes 2: Exploring 2-D Shapes 3: Consolidation	1. Sorting 2-D Shapes 2. Exploring 2-D Shapes ~~3. Constructing 2-D Shapes~~ ~~4. Symmetry in 2-D Shapes~~ *5. Consolidation* Math Every Day Card 1: Visualizing Shapes

		1: Comparing Shapes <u>Intervention</u> 1: Sorting Shapes Using One Attribute 2: Analyzing 2-D Shapes
3-D Solids	4: Sorting 3-D Solids 5: 3-D Solids Around Us 6: Consolidation	6. Sorting 3-D Solids 7. 3-D Solids Around Us ~~8. Constructing Solids~~ ~~9. Constructing Skeletons~~ *10. Consolidation* <u>Math Every Day Card</u> 2A: Geometry in Poetry 2A: What Do You See? 2B: Solids Around Us 2B: Which Solid Does Not <u>Intervention</u> 3: Sorting Solids 4: Attributes of Solids
Geometric Relationships	7: Making Shapes 8: Describing Solids 9: Visualizing Shapes and Solids 10: Creating Pictures and Designs 11: Covering Outlines 12: Creating Symmetrical Designs 13: Exploring Transformations* 14: Slides, Flip, and Turns in Artwork* 15: Consolidation*	*11. Making Shapes* ~~12. Building with Solids~~ *6: Describing Solids (from Intervention)* 13. Visualizing Shapes and Solids 14. Creating Pictures and Designs 15. Covering Outlines 16. Creating Symmetrical Designs 13. Exploring Transformation (Gr3) ~~17. Consolidation~~ <u>Math Every Day Card</u> 3A: Fill Me In! 3A: Make Me a Picture 3B: Name the Solid 3B: Draw the Shape <u>Intervention</u> 5: Covering Outlines ~~6: Describing Solids~~
Location and Movement (Kit)		~~18. Reading Maps~~ ~~19. Drawing a Map~~ ~~20. Perspective Taking~~ ~~21. Consolidation~~ ~~Math Every Day Card~~ ~~4A: Our Design~~ ~~4A; Treasure Map~~

		~~4B: Crazy Creatures~~ ~~4B: Perspective Matching Game~~ ~~Intervention~~ ~~7: Tower Views~~ ~~8: Direction Buddies~~
Coding (Kit)		~~22. Exploring Coding~~ ~~23. Coding on a Grid~~ ~~24. Number Codes~~ ~~25. Consolidation~~ ~~Math Every Day Card~~ ~~5: Code of the Day~~ ~~5: Wandering Animals~~ ~~Intervention~~ ~~9: I Spy~~ ~~10: Five Questions~~

Strand/Unit	Mathology.ca	Print Kit Prior to 2023
Data		
Data Management	1: Interpreting Graphs 1 2: Interpreting Graphs 2 3: Creating a Survey 4: Making Graphs 1 5: Making Graphs 2 6: Representing Data through First Nations, Métis, and Inuit Stories 7: Consolidation	*1. Interpreting Graphs 1* *2. Interpreting Graphs 2* 3. Creating Survey 4. Making Graphs 1 *5. Making Graphs 2* 6. Consolidation Math Every Day Card 1: Conducting Surveys *1: Reading and Interpreting Graphs* Intervention 1: Interpreting Pictographs 2: Sorting Objects
Probability and Chance (Kit)		~~7. Likelihood of Events~~ ~~8. Conducting Experiments~~ ~~9. Consolidation~~ ~~Math Every Day Card~~ ~~1: What's in the Bag?~~ ~~2: Word of the Day~~ ~~Intervention~~ ~~1: The Language of Chance~~ ~~2: More or Less Likely?~~

Also available for Grade 2:

Intervention	**Number** N1 – Counting: Skip Counting with Objects N2 – Number Relationships 1: Comparing Quantities N3 – Place Value: Adding Tens N4 – Place Value: Taking Away Tens N5 – Early Fractional Thinking: Naming Fractional Amounts N6 – Number Relationships 2: Making 20 N7 – Conceptualizing Addition and Subtraction: Adding and Subtracting to 20 N8 – Conceptualizing Addition and Subtraction: Solving Story Problems N9 – Operational Fluency: Making 10 N10 – Operational Fluency: Finding Doubles N11 – Early Multiplicative Thinking: How Many Do You See? N12 – Early Multiplicative Thinking: Messy and Organize It **Patterning** P1 – Repeating Patterns: Finding the Core P2 – Repeating Patterns: Representing Patterns P3 – Increasing/Decreasing Patterns: Skip-Counting P4 – Increasing/Decreasing Patterns: Repeated Addition and Subtraction P5 – Equality and Inequality: Exploring 10 P6 – Equality and Inequality: Balancing Sets **Measurement** M1 – Length: Exploring Length M2 – Length: Iterating the Unit **Time** T3 – Time: Months of the Year **Geometry** G1 – 2-D Shapes: Sorting Shapes G2 – 2-D Shapes: Analyzing 2-D Shapes G3 – 3-D solids: Sorting Solids	

	G4 – 3-D Solids: Attributes of Solids G5 – Geometric Relationships: Covering Outlines Statistics S1 – Data Management: Interpreting Pictographs S2 – Data Management: Sorting Objects Financial Literacy FL13 – Financial Literacy: Counting Coins FL14 – Financial Literacy: Wants and Needs	
Math Every Day	Number N1A – Counting: Skip-Counting on a Hundred Chart N1B – Counting: Skip-Counting with Actions N2 – Number Relationships 1: Guess My Number N3A – Place Value: Adding Ten N3A – Place Value: Taking Away Ten N3B – Place Value: Thinking Tens N3B – Place Value: Describe Me N4 – Early Fractional Thinking: Modelling Fraction Amounts N4 – Early Fractional Thinking: Naming Equal Parts N5A – Number Relationships 2: Which Ten is Nearer? N5A – Number Relationships 2: Building Numbers N6 – Conceptualizing Addition and Subtraction: What Math Do You See? N6 – Conceptualizing Addition and Subtraction: What Could the Story Be? N7A – Operational Fluency: Doubles and Near-Doubles N7A – Operational Fluency: I Have… I Need… N7B – Operational Fluency: Hungry Bird N7B – Operational Fluency: Make 10 Sequences N8A – Early Multiplicative Thinking: Counting Equal Groups to Find How Many N8A – Early Multiplicative Thinking: How Many Blocks? N8B – Financial Literacy: Collection of Coins	

	N8B – Financial Literacy: Showing Money in Different Ways **Patterning** P1 – Repeating Patterns: Show Another Way P1 – Repeating Patterns: Patterns Around Us P2 – Increasing/Decreasing Patterns: How Many Can We Make? P2 – Increasing/Decreasing Patterns: Error Hunt P3A – Equality and Inequality: Equal or Not Equal? P3A – Equality and Inequality: How Many Ways? P3B – Equality and Inequality: Which One Doesn't Belong? P3B – Equality and Inequality: What's Missing? **Measurement** M1A – Length: Estimation Scavenger Hunt M1A – Length: Estimation Station M1B – Length: What Am I? M1B – Length: Which Unit? **Time** T2 – Time: Calendar Questions T2 – Time: Monthly Mix-Up **Geometry** G1 – 2-D Shapes: Visualizing Shapes G1 – 2-D Shapes: Comparing Shapes G2A – 3-D Solids: Geometry in Poetry G2A – 3-D Solids: What Do You See? G2B – 3-D Solids: Solids Around Us G2B – 3-D Solids: Which Solid Does Not Belong? G3A – Geometric Relationships: Fill Me In! G3A – Geometric Relationships: Make Me a Picture G3B – Geometric Relationships: Name the Solid G3B – Geometric Relationships: Draw the Shape **Statistics**	

	S1 – Data Management: Conducting Surveys S1 – Data Management: Reading and Interpreting Graphs	