**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-Existing Lesson

*Yellow*-Adaptations have been made to match with the new curriculum

~~Red~~-No longer aligns with the new curriculum

\*-New Lesson Mathology.ca

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| **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~~    Math Every Day Cards  *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?~~    Intervention  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  24: Consolidation | *23: Benchmarks on a Number Line (ON)*  *23: Decomposing 50*  *24: Jumping on the Number Line (ON)*  *25: Consolidation*    Math Every Day Cards  5A: Which Ten Is Nearer?  5A: Building Numbers  ~~5B: How Many Ways?~~  ~~5B: What’s the Unknown Part?~~    Intervention  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*    Math Every Day Cards  6: What Math Do You See?  6: What Could the Story Be?    Intervention  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*    Math Every Day Cards  7A: Doubles and Near-Doubles  7A: I Have… I Need…  *7B: Hungry Bird*  7B: Make 10 Sequences    Intervention  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 |

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| **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 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 |

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| **Strand/Unit** | **Mathology.ca** | **Print Kit Prior to 2023** |
| **Measurement** | | |
| 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~~ |

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| **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    Intervention  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*  Math Every Day Card  2A: Geometry in Poetry  2A: What Do You See?  2B: Solids Around Us  2B: Which Solid Does Not Belong    Intervention  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~~    Math Every Day Card  3A: Fill Me In!  3A: Make Me a Picture  3B: Name the Solid  3B: Draw the Shape  Intervention  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~~ |

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| **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:

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| 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 |  |