**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 Flexibly4: 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 Quantities6: Comparing and Ordering Numbers7: Odd and Even Numbers8: 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 Numbers10: Representing Numbers in Different Ways11: What’s the Number?12: Making a Number Line13: 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 Parts15: Comparing Fractions 116: Comparing Fractions 217: Comparing Fractions of Different Wholes\*18: Modelling One Whole with Unit Fractions\*19: Partitioning Sets20: 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 Line22: Decomposing 10023: Jumping on the Number Line24: 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 Properties27: Exploring the Associative Property28: Solving Problems 129: Solving Problems 230: Solving Problems 331: Solving Problems 432: 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 Doubles34: Mastering Addition and Subtraction Facts35: Multi-Digit Fluency36: 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 10s38: Making Equal Shares39: Making Equal Groups40: 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 Money42: Earning Money43: Spending Money44: Saving Regularly45: Money up to $10046: 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 Patterns2: Finding Patterns3: Extending and Predicting4: Errors and Missing Elements5: Combining Attributes6: 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 18: Increasing Patterns 29: Reproducing Patterns10: Creating Patterns11: Errors and Missing Terms12: Solving Problems13: 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 Sets15: Equal or Not Equal?16: Exploring Number Sentences17: Missing Numbers18: 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 12: Measuring Length 23: Measuring Distance Around4: Benchmarks and Estimation5: Using a Centicube Ruler6: 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 Weeks9: Months in a Year10: Measuring Time11: Duration of Time12: 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 Shapes2: Exploring 2-D Shapes3: 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 Solids5: 3-D Solids Around Us6: 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 Shapes8: Describing Solids9: Visualizing Shapes and Solids10: Creating Pictures and Designs11: Covering Outlines12: Creating Symmetrical Designs13: 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 12: Interpreting Graphs 23: Creating a Survey4: Making Graphs 15: Making Graphs 26: Representing Data through First Nations, Métis, and Inuit Stories\*7: Consolidation | *1. Interpreting Graphs 1**2. Interpreting Graphs 2*3. Creating Survey4. 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 ObjectsN2 – Number Relationships 1: Comparing QuantitiesN3 – Place Value: Adding TensN4 – Place Value: Taking Away TensN5 – Early Fractional Thinking: Naming Fractional AmountsN6 – Number Relationships 2: Making 20N7 – Conceptualizing Addition and Subtraction: Adding and Subtracting to 20N8 – Conceptualizing Addition and Subtraction: Solving Story ProblemsN9 – Operational Fluency: Making 10N10 – Operational Fluency: Finding DoublesN11 – Early Multiplicative Thinking: How Many Do You See?N12 – Early Multiplicative Thinking: Messy and Organize It**Patterning**P1 – Repeating Patterns: Finding the CoreP2 – Repeating Patterns: Representing PatternsP3 – Increasing/Decreasing Patterns: Skip-CountingP4 – Increasing/Decreasing Patterns: Repeated Addition and SubtractionP5 – Equality and Inequality: Exploring 10P6 – Equality and Inequality: Balancing Sets**Measurement**M1 – Length: Exploring LengthM2 – Length: Iterating the Unit**Time**T3 – Time: Months of the Year**Geometry**G1 – 2-D Shapes: Sorting ShapesG2 – 2-D Shapes: Analyzing 2-D ShapesG3 – 3-D solids: Sorting SolidsG4 – 3-D Solids: Attributes of SolidsG5 – Geometric Relationships: Covering Outlines**Statistics**S1 – Data Management: Interpreting PictographsS2 – Data Management: Sorting Objects**Financial Literacy**FL13 – Financial Literacy: Counting CoinsFL14 – Financial Literacy: Wants and Needs |  |
| Math Every Day | **Number**N1A – Counting: Skip-Counting on a Hundred ChartN1B – Counting: Skip-Counting with ActionsN2 – Number Relationships 1: Guess My NumberN3A – Place Value: Adding TenN3A – Place Value: Taking Away TenN3B – Place Value: Thinking TensN3B – Place Value: Describe MeN4 – Early Fractional Thinking: Modelling Fraction AmountsN4 – Early Fractional Thinking: Naming Equal PartsN5A – Number Relationships 2: Which Ten is Nearer?N5A – Number Relationships 2: Building NumbersN6 – 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-DoublesN7A – Operational Fluency: I Have… I Need…N7B – Operational Fluency: Hungry BirdN7B – Operational Fluency: Make 10 SequencesN8A – Early Multiplicative Thinking: Counting Equal Groups to Find How ManyN8A – Early Multiplicative Thinking: How Many Blocks?N8B – Financial Literacy: Collection of CoinsN8B – Financial Literacy: Showing Money in Different Ways**Patterning**P1 – Repeating Patterns: Show Another WayP1 – Repeating Patterns: Patterns Around UsP2 – Increasing/Decreasing Patterns: How Many Can We Make?P2 – Increasing/Decreasing Patterns: Error HuntP3A – 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 HuntM1A – Length: Estimation StationM1B – Length: What Am I?M1B – Length: Which Unit?**Time**T2 – Time: Calendar QuestionsT2 – Time: Monthly Mix-Up**Geometry**G1 – 2-D Shapes: Visualizing ShapesG1 – 2-D Shapes: Comparing ShapesG2A – 3-D Solids: Geometry in PoetryG2A – 3-D Solids: What Do You See?G2B – 3-D Solids: Solids Around UsG2B – 3-D Solids: Which Solid Does Not Belong?G3A – Geometric Relationships: Fill Me In!G3A – Geometric Relationships: Make Me a PictureG3B – Geometric Relationships: Name the SolidG3B – Geometric Relationships: Draw the Shape**Statistics**S1 – Data Management: Conducting SurveysS1 – Data Management: Reading and Interpreting Graphs |  |