**Mathology Grade 2 Correlation – Alberta**

**Master 52a**

**Number Cluster 5: Number Relationships 2**

**Organizing Idea:**

Number: Quantity is measured with numbers that enable counting, labelling, comparing, and operating.

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| **Guiding Question:** How can quantity contribute to a sense of number?  **Learning Outcome:** Students analyze quantity to 1000. | | | | |
| **Knowledge** | **Understanding** | **Skills & Procedures** | **Grade 2 Mathology** | **Mathology Little Books** |
| Any number of objects in a set can be represented by a natural number.  The values of the places in a four-digit natural number are thousands, hundreds, tens, and ones.  Places that have no value within a given number use zero as a placeholder.  The number line is a spatial representation of quantity. | There are infinitely many natural numbers.  Every digit in a natural number has a value based on its place.  Each natural number is associated with exactly one point on the number line. | Relate a number, including zero, to its position on the number line. | **Number Math Every Day**  5A: Which Ten is Nearer? |  |

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| A benchmark is a known quantity to which another quantity can be compared. | A quantity can be estimated when an exact count is not needed. | Estimate quantities using benchmarks. | **Number Cluster 5: Number Relationships 2**  21: Benchmarks on a Number Line  **Number Math Every Day**  5A: Which Ten is Nearer? | Family Fun Day  Ways to Count  What Would you Rather? |

**Master 52b**

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| **Guiding Question:** How can addition and subtraction be interpreted?  **Learning Outcome:** Students investigate addition and subtraction within 100. | | | | |
| **Knowledge** | **Understanding** | **Skills & Procedures** | **Grade 2 Mathology** | **Mathology Little Books** |
| The order in which more than two numbers are added does not affect the sum (associative property). | A sum can be composed in multiple ways. | Compose a sum in multiple ways, including with more than two addends. | **Number Cluster 5: Number Relationships 2**  22: Decomposing 100  23: Jumping on the Number Line  24: Consolidation  **Number Math Every Day**  5A: Building Numbers  5B: How Many Ways?  **Number Intervention**  6: Making 20 | Paddling the River  Family Fun Day  A Class Full of Projects  Kokum’s Bannock  The Money Jar |
| Familiar addition and subtraction number facts facilitate addition and subtraction strategies.  Addition and subtraction strategies for two-digit numbers include making multiples of ten and using doubles. | Addition and subtraction can represent the sum or difference of countable quantities or measurable lengths. | Add and subtract numbers within 100. | **Number Math Every Day**  5B: What’s the Unknown Part? |  |
| Verify a sum or difference using inverse operations. |
| Determine a missing quantity in a sum or difference, within 100, in a variety of ways. |