**Mathology Grade 2 Correlation – Alberta**

**Master 62a**

**Number Cluster 6: Conceptualizing Addition and Subtraction**

**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** |
| A quantity can be skip counted in various ways according to context.  Quantities of money can be skip counted in amounts that are represented by coins and bills (denominations). | A quantity can be interpreted as a composition of groups. | Decompose quantities into groups of 100s, 10s, and 1s. | **Number Cluster 6: Conceptualizing Addition and Subtraction**  25: Visualizing 100 with Groups of 10 | Family Fun Day  The Great Dogsled Race  Ways to Count |

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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. | Visualize 100 as a composition of multiples of 10 in various ways. | **Number Cluster 6: Conceptualizing Addition and Subtraction**  25: Visualizing 100 with Groups of 10 | Family Fun Day  The Great Dogsled Race  Ways to Count |
| Compose a sum in multiple ways, including with more than two addends. | **Number Cluster 6: Conceptualizing Addition and Subtraction**  26: Exploring Properties  27: Exploring the Associative Property | 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. | Solve problems using addition and subtraction of countable quantities or measurable lengths. | **Number Cluster 6: Conceptualizing Addition and Subtraction**  27: Exploring the Associative Property  28: Solving Problems 1  29: Solving Problems 2  30: Solving Problems 3  31: Solving Problems 4  32: Consolidation  **Number Math Every Day**  6: What Math Do You See?  6: What Could the Story Be?  **Number Intervention**  7: Adding and Subtracting to 20  8: Solving Story Problems | Array’s Bakery  The Great Dogsled Race  The Money Jar  Family Fun Day |

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