**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 DayThe Great Dogsled RaceWays 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 DayThe Great Dogsled RaceWays to Count |
| Compose a sum in multiple ways, including with more than two addends. | **Number Cluster 6: Conceptualizing Addition and Subtraction**26: Exploring Properties27: Exploring the Associative Property | Paddling the RiverFamily Fun DayA Class Full of ProjectsKokum’s BannockThe 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 Property28: Solving Problems 1 29: Solving Problems 2 30: Solving Problems 331: Solving Problems 432: Consolidation**Number Math Every Day**6: What Math Do You See?6: What Could the Story Be?**Number Intervention**7: Adding and Subtracting to 208: Solving Story Problems | Array’s Bakery The Great Dogsled RaceThe Money JarFamily Fun Day |

**Master 62b**