**Mathology Grade 2 Correlation – Alberta**

**Master 1a**

**Data Cluster 1: Data Management**

**Organizing Idea:**

Statistics: The science of collecting, analyzing, visualizing, and interpreting data can inform understanding and decision making.

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| **Guiding Question:** How can data inform representation?  **Learning Outcome:** Students relate data to a variety of representations. | | | | |
| **Knowledge** | **Understanding** | **Skills & Procedures** | **Grade 2 Mathology** | **Mathology Little Books** |
| Data can be collected by asking questions.  First-hand data is data collected by the person using the data. | Data can be collected to answer questions. | Generate questions for a specific investigation within the learning environment. | **Data Cluster 1: Data Management**  3: Creating a Survey  5: Making Graphs 2  7: Consolidation | Marsh Watch |
| Collect first-hand data by questioning people within the learning environment. | **Data Cluster 1: Data Management**  3: Creating a Survey  5: Making Graphs 2  6: Representing Data Through First Nations, Metis, and Inuit Stories  **Data Math Every Day**  1: Conducting Surveys | Marsh Watch  Big Buddy Days |

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| Data can be recorded using tally marks, words, or counts.  Data can be expressed through First Nations, Métis, or Inuit stories.  A graph includes features such as   * a title * a legend * axes * axis labels   Data can be represented with graphs such as   * pictographs * bar graphs * dot plots | Data can be represented in various ways. | Record data in a table. | **Data Cluster 1: Data Management**  3: Creating a Survey  5: Making Graphs 2  7: Consolidation | Marsh Watch  Big Buddy Days |
| Construct graphs to represent data. | **Data Cluster 1: Data Management**  4: Making Graphs 1  5: Making Graphs 2  7: Consolidation  **Data Intervention**  2: Sorting Objects | Marsh Watch  Big Buddy Days |
| Interpret graphs to answer questions. | **Data Cluster 1: Data Management**  1: Interpreting Graphs 1  4: Making Graphs 1  5: Making Graphs 2  **Data Math Every Day**  1: Reading and Interpreting Graphs  **Data Intervention**  1: Interpreting Pictographs | Marsh Watch  Big Buddy Days |
| Compare the features of pictographs, dot plots, and bar graphs. | **Data Cluster 1: Data Management**  2: Interpreting Graphs 2  5: Making Graphs 2  7: Consolidation  **Data Math Every Day**  1: Reading and Interpreting Graphs | Marsh Watch |

**Master 1b**