**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 Survey5: Making Graphs 27: Consolidation | Marsh Watch |
| Collect first-hand data by questioning people within the learning environment. | **Data Cluster 1: Data Management**3: Creating a Survey5: Making Graphs 26: Representing Data Through First Nations, Metis, and Inuit Stories**Data Math Every Day**1: Conducting Surveys | Marsh WatchBig 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 27: Consolidation | Marsh WatchBig Buddy Days |
| Construct graphs to represent data. | **Data Cluster 1: Data Management**4: Making Graphs 15: Making Graphs 27: Consolidation**Data Intervention**2: Sorting Objects | Marsh WatchBig Buddy Days |
| Interpret graphs to answer questions. | **Data Cluster 1: Data Management**1: Interpreting Graphs 14: Making Graphs 15: Making Graphs 2**Data Math Every Day**1: Reading and Interpreting Graphs**Data Intervention**1: Interpreting Pictographs | Marsh WatchBig Buddy Days |
| Compare the features of pictographs, dot plots, and bar graphs. | **Data Cluster 1: Data Management**2: Interpreting Graphs 25: Making Graphs 27: Consolidation**Data Math Every Day**1: Reading and Interpreting Graphs | Marsh Watch |

**Master 1b**