



Mathology Grade 2 Correlation – Alberta Data Cluster 1: Data Management

Organizing Idea:

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

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.	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
First-hand data is data collected by the person using the data.		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

Master 1b

<p>Data can be recorded using tally marks, words, or counts.</p> <p>Data can be expressed through First Nations, Métis, or Inuit stories.</p> <p>A graph includes features such as</p> <ul style="list-style-type: none"> • a title • a legend • axes • axis labels <p>Data can be represented with graphs such as</p> <ul style="list-style-type: none"> • pictographs • bar graphs • dot plots 	<p>Data can be represented in various ways.</p>	<p>Record data in a table.</p>	<p>Data Cluster 1: Data Management 3: Creating a Survey 5: Making Graphs 2 7: Consolidation</p>	<p>Marsh Watch Big Buddy Days</p>
		<p>Construct graphs to represent data.</p>	<p>Data Cluster 1: Data Management 4: Making Graphs 1 5: Making Graphs 2 7: Consolidation</p> <p>Data Intervention 2: Sorting Objects</p>	<p>Marsh Watch Big Buddy Days</p>
		<p>Interpret graphs to answer questions.</p>	<p>Data Cluster 1: Data Management 1: Interpreting Graphs 1 4: Making Graphs 1 5: Making Graphs 2</p> <p>Data Math Every Day 1: Reading and Interpreting Graphs</p> <p>Data Intervention 1: Interpreting Pictographs</p>	<p>Marsh Watch Big Buddy Days</p>
		<p>Compare the features of pictographs, dot plots, and bar graphs.</p>	<p>Data Cluster 1: Data Management 2: Interpreting Graphs 2 5: Making Graphs 2 7: Consolidation</p> <p>Data Math Every Day 1: Reading and Interpreting Graphs</p>	<p>Marsh Watch</p>