March Gr.2 Unit 9: Data Analysis

Content Area: **Math**
Course(s):
Time Period: **March**
Length: **2-3 Weeks**
Status: **Obsolete**

Unit Overview

In this chapter students will learn about collecting and analyzing data in different formats.

Enduring Understandings

Students can alayyze and answer questions about data that is given in different graphs, such as tally marks, picture graphs, bar graphs and line plots.

Essential Questions

How do we analyze and create data in different ways?

Instructional Strategies & Learning Activities

My Math Chapter 9

Pacing Guide
Suggested Pacing

Instruction	11 days
Review/Assessment	2 days
Total*	13 days

*Includes additional time for remediation and differentiation.

Lesson	Objective	Material & Manipulatives	Vocabulary	Standard
Lesson 1 *pp. 529-534* **Take a Survey**	Take a survey and organize data using tally marks.		**data survey tally marks**	2.MD.10 **Supporting Cluster** **MP**

				1, 2, 3, 5, 6, 8
Lesson 2 *pp. 535-540* **Make Picture Graphs**	Use data to create picture graphs.	• example of a picture graph	**picture graph** **symbol**	2.MD.10 **Supporting Cluster**
				MP **1, 2, 3, 5, 6, 8**
Lesson 3 *pp. 541-546* **Analyze Picture Graphs**	Analyze data on picture graphs.	• state map • picture graph		2.MD.10 **Supporting Cluster**
				MP **1, 3, 4, 6, 7, 8**
Check My Progress				
Lesson 4 *pp. 549-554* **Make Bar Graphs**	Make a bar graph to show data.	• 1-inch graph paper • crayons or markers	**bar graph**	2.MD.10 **Supporting Cluster**
				MP **2, 3, 6, 8**
Lesson 5 *pp. 555-560* **Analyze Bar Graphs**	Draw conclusions and answer questions based on bar graphs.	• 0-5 number cubes • crayons or markers		2.MD.10 **Supporting Cluster**
				MP **1, 2, 4, 5, 6**
Lesson 6 *pp. 561-566* **Problem-Solving Strategy: Make a Table**	Make a table to solve problems.			2.MD.10 **Supporting Cluster**
				MP **1, 2, 3, 7, 8**
Lesson 7 *pp. 567-572* **Make Line Plots**	Use data to create line plots.		**line plot**	2.MD.9 **Supporting Cluster**
				MP **1, 2, 3, 6, 7**
Lesson 8 *pp. 573-578* **Analyze Line Plots**	Analyze the data contained in line plots.			2.MD.9 **Supporting Cluster**
				MP **1, 2, 3, 4, 5, 6, 8**
My Review and Reflect				

Integration of Career Readiness, Life Literacies and Key Skills

WRK.9.1.2.CAP.1	Make a list of different types of jobs and describe the skills associated with each job.
TECH.9.4.2.CI.1	Demonstrate openness to new ideas and perspectives (e.g., 1.1.2.CR1a, 2.1.2.EH.1, 6.1.2.CivicsCM.2).
TECH.9.4.2.CI.2	Demonstrate originality and inventiveness in work (e.g., 1.3A.2CR1a).
TECH.9.4.2.CT.2	Identify possible approaches and resources to execute a plan (e.g., 1.2.2.CR1b, 8.2.2.ED.3).
TECH.9.4.2.CT.3	Use a variety of types of thinking to solve problems (e.g., inductive, deductive).
TECH.9.4.2.DC.3	Explain how to be safe online and follow safe practices when using the internet (e.g., 8.1.2.NI.3, 8.1.2.NI.4).
TECH.9.4.2.DC.4	Compare information that should be kept private to information that might be made public.
	Different types of jobs require different knowledge and skills.
	Critical thinkers must first identify a problem then develop a plan to address it to effectively solve the problem.

Technology and Design Integration

Students will interact with the SmartBoard, Ipads, chromebooks and document camera.

CS.K-2.8.1.2.CS.1	Select and operate computing devices that perform a variety of tasks accurately and quickly based on user needs and preferences.
CS.K-2.8.1.2.DA.1	Collect and present data, including climate change data, in various visual formats.
CS.K-2.8.1.2.DA.2	Store, copy, search, retrieve, modify, and delete data using a computing device.
CS.K-2.8.1.2.DA.3	Identify and describe patterns in data visualizations.
CS.K-2.8.1.2.DA.4	Make predictions based on data using charts or graphs.
CS.K-2.DA	Data & Analysis
	Individuals use computing devices to perform a variety of tasks accurately and quickly. Computing devices interpret and follow the instructions they are given literally.
	Data can be used to make predictions about the world.
	Computers store data that can be retrieved later. Data can be copied, stored in multiple locations, and retrieved.
	Individuals collect, use, and display data about individuals and the world around them.

Interdisciplinary Connections

LA.RF.2.3	Know and apply grade-level phonics and word analysis skills in decoding words.
LA.RI.2.4	Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.
LA.RI.2.5	Know and use various text features (e.g., captions, bold print, subheadings, glossaries,

	indexes, electronic menus, icons) to locate key facts or information in a text efficiently.
LA.RI.2.10	Read and comprehend informational texts, including history/social studies, science, and technical texts, at grade level text complexity proficiently with scaffolding as needed.

Differentiation

Each My Math unit throughout the series offers "approaching level", "on level" and "Beyond level" differentiated instructional hands-on choices, as well as ELL differentiated support. Please refer to the teacher edition for the activities.

Modifications & Accommodations

EP and 504 accommodations will be followed.

Benchmark Assessments

AIMSweb

Formative Assessments

Teacher observation

Student conferences

Discussion

Activities

games

homework

white board

Summative Assessments

My Math chapter assessments

Instructional Materials

See materials listed in above plans.

Standards

MA.2.MD.D.9	Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.
MA.2.MD.D.10	Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put together, take-apart, and compare problems using information presented in a bar graph.