

Title: Math Unit: Data Collection and Graphing

Learning Intention/Description of Learning Activity:

This assessment is for the Math unit, which focused on the topic of Data Collection and Graphing. Data collection and graphing are important for students to learn because they help develop skills that are useful in everyday life and STEM careers. Students can use data collection to answer questions and solve problems. For example, they can ask questions like "What is the most preferred color in our classroom?". Students can learn to make sense of the large amounts of information they encounter daily. They can evaluate the quality of data and decide if content is reliable. Students can develop critical thinking, problem-solving skills and develop creativity by learning to collect, analyze, and use data.

Teacher Comments/Feedback:

NAME is currently at an “emerging” level of understanding for grade-level expectations.

HE/SHE required some reminders and prompts to listen carefully to the instructions and to try to demonstrate HIS/HER best effort. HE/SHE struggled to complete the work and so support was given one-to-one to complete most of the worksheet pages and he/she needed key visuals such as manipulatives to further his/her understanding. HE/SHE required reminders and prompts to watch and listen to the videos and instructions appropriately and to follow along with the instructions, examples and modelling shown such as, with the worksheet walk-through videos. HE/SHE was unable to demonstrate the ability to collect data and use that data to create and or solve questions for graphing independently.

Next steps:

In today’s information-rich world, the ability to understand and work with data is more essential for students than ever. Data literacy helps students make sense of the vast amounts of information they encounter daily. Allow for opportunities to collect items, (such as rocks, items of clothing, food items, sporting equipment, etc.) sort them into groups and create graphs such as simple tables or bar graphs. Helping students build stronger skills in analyzing and interpreting data, as well as developing explanations and engaging in arguments from evidence, is crucial not only for scientific inquiry and STEM but also for navigating everyday life.

Student Self Reflection:

Proficiency Scale

Emerging	Developing	Proficient	Extending
Just beginning to demonstrate learning in relation to the Learning Standards of the Curriculum	Demonstrating learning in relation to Learning Standards of the Curriculum with growing consistency	Demonstrates the expected learning in relation to the Learning Standards of the Curriculum	Demonstrating learning in relation to Learning Standards with increasing depth and complexity

Emerging	Developing	Proficient	Extending
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