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| **Skill** | **1**  **Initiating progress toward expectations** | **2**  **Approaching Expectations** | **3**  **Meeting Expectations** | **4**  **Exceeding Expectation** |
| Brainstorm, research, and collect data | Choose a topic to research. | Choose a topic and locate chosen data information. | Inquire information from different sources regarding your chosen data set. Record information collected as well as sources on your topic. | Assess information of your chosen data set with group members. Create a prediction of your findings on your topic of what you expect to discover. Record information on a word document or written on paper. |
| Understand and organize data | Record data on a data/frequency table. Choose title for data information. List 5 facts about your information and list the sources. | Construct a data/frequency table, title, and summarize briefly your findings in short paragraph. | Differentiate data sets by arranging data in appropriate tables, titles. | Decide appropriate table to display data. |
| Select and create appropriate graph to display data. Describe data. | Select graph type, create graph by matching information to data, and label all parts. | Summarize 3 different types of graphs in 3 different paragraphs. Select graph type for your data collection, create graph by matching information to data, and label all parts. | Demonstrate knowledge of graphs by selecting and creating 5 types of graphs. Select graph type for your topic, create graph by matching information to data, and label all parts. | Investigate 6 types of graphs, writing a paragraph on each one. Select graph type for your topic, create graph by matching information to data, and label all parts. |

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| Interpret own graph and generate questions. | Write a paragraph of your chosen graphs and create a 5 questions quiz regarding your data. Provide answers to your questions. | Describe your data in a 500 words. Generalize ideas of your data by creating a 10 question quiz relating to your project and include answer key. | Organize your data in a graph; poster and virtual. include items such as mean, median, mode, range, outliers, frequency, patterns. Be prepared to answer questions regarding your data display! | Produce an advertisement of your graph (keeping in mind your target audience); poster, video, virtual, etc, to display to community. Include items such as mean, median, mode, range, outliers, frequency, patterns. Be prepared to answer questions regarding your data display! |
| Draw conclusions, interpret information, and solve problems from other group member data displays | Correctly answer 80% of peer project questions correctly. | Effectively teach peers your data, as well as correctly describe vocabulary from list. | Interpret data information from peer work in a quick list, describe vocabulary words correctly. | Revise and assess peer displays appropriately, answer 100% peer questions correctly, describe in own words vocabulary definitions, |
| Create virtual and physical data display | Create a poster of your data with appropriate graph. Generate a virtual copy of your data using a graph generator. | Create a poster of your data with appropriate graph, label the parts. Generate a virtual copy of your data using a graph generator. | Create a poster of your data with appropriate graph, label the parts. Generate a virtual copy of your data using a graph generator. Publish/submit to a teacher approved website. | Create a poster of your data with appropriate graph, label the parts. Include all vocabulary information appropriate. Generate a virtual copy of your data using a graph generator. Publish/submit to a teacher approved website. |