

Graphing in DataStudio *Line Graphs*

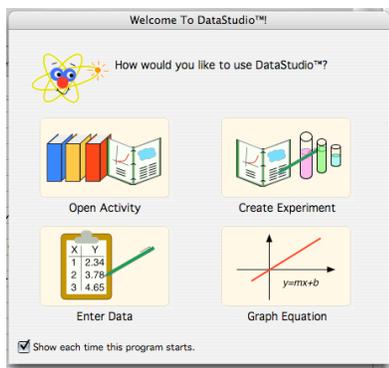
Before Graphing

- What are your two variables?
- Which is independent (x-axis) and what are the units of measurement?
- Which is dependent (y-axis) and what are the units of measurement?
- Determine an appropriate title for your graph.

Open Data Studio

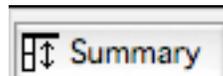


- Select “Enter Data”

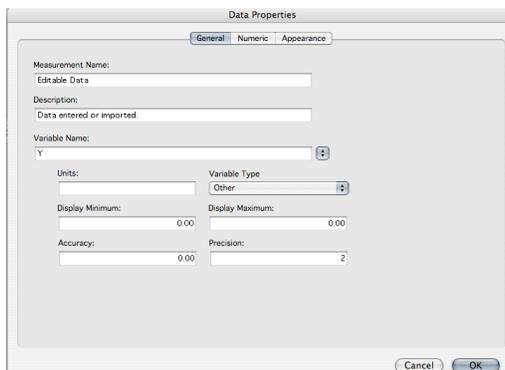


Label your Graph

- On the data screen choose the “Summary” icon (far left icon on the tool bar)



- Double click on “**Editable Data**”
- The “**Data Properties**” screen pops-up



- Measurement Name: This is what you name your data
- Go down to Variable Name

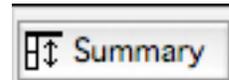
Middle School Collaborative

- Label the Y axis - Dependent Variable (include the appropriate units under variable name)
- Go to the arrow to select the X axis - Independent variable (include the appropriate units under variable name)
- Go to the “**Appearance**” tab in the Data Properties Screen
- Change “**Data**” to an appropriate name for your data
- This is where you can change the color of your lines and shape of your data points
- Click on OK

Title Your Graph

- Go to Graph 1 in the display section of the summary screen (click once, wait a second, click again). Label your graph appropriately
- Hit enter when done or your title will default back to "Graph 1"

Entering your Data



- Click on the “Summary” icon to get back to your table
- Enter your data in the appropriate columns - X-axis is the first column and the Y-axis is the second column.

The Axes

- To arrange the X and Y -axes you can either set maximums and minimums through the 'Graph Settings' under the **Axis Setting** tab.
- Or if you place your cursor near the X and Y-axis your cursor will turn into a hand. This allows you to move the graph around without changing the scale. If you place the cursor above a number you'll see a double headed zigzag arrow. This tool allows you to change the scale of your axis by pulling it in either direction.

Student Name and Class information

- Select the Note Tool A square button with a border containing a large, bold, black letter 'A'.
- Select a spot on the graph and click on it. The note tool opens and allows you to type.

Printing a Graph

- Make sure the graph window is selected before you print your graph otherwise the table will print.
- You can have students create workbook (at the bottom of the summary screen), where they can place their data tables, graph, write a summary of the project and more.