SDRO Project Graph Requirements

Projects 1 and 2:
You need five graphs for your Fast Plants:
1. A graph on your nutrient solution (remaining and added/used)
2. A graph showing the height and change in height of one of your Fast Plants.
3. A graph showing the changes in quantity of the leaves and flowers of your Fast Plants.
4. A graph showing the height and change in the height of <u>another</u> of your Fast Plants.
5. A graph showing the changes in quantity of the leaves and flowers of <u>another</u> of your Fast Plants.

Project 2 Only:
1. A visualization of how the CWB has changed and grown over time. This may include a graph or data table of the larval stage.

Graph Requirements for Both Projects 1 and 2

1. Your graphs must have the following components:

   a. Title (this clearly states what the graph is about)

   b. Labeled axes (this lets the viewer know what is on the X and Y axes)

   c. Labeled bars/lines (Google should do this automatically, let me know if it doesn't and you need help)

2. Once your graphs are completed, write a script that verbalizes what the graphs are showing. Don't go overboard with detail! Remember, you only have 3-5 minutes for this entire video. A good script would tell the viewer:

   a. What you did to collect the data,

   b. What the graph is showing, and

   c. What you can conclude from the graph.

3. Here's an example of a script that could have been written for the butterfly poop lab.

   a. *In our investigation we counted the total number of droppings for each color of butterfly poop: red, green, blue, and yellow. We made this bar graph so we could visualize the differences between the total number of each color. This graph shows that blue is the most common color and yellow is the second most common. We can conclude from this data and our graph that the butterflies have a preference for blue- and yellow-colored food.*