

## **Final What Is the Relationship Between Testing**

Today you will be testing the WITRB question that you have been formulating over the past unit. This will involve multiple steps. You will not be reporting the results of your test in a normal lab report. You will be reporting your results in a presentation.

You will still need to keep track of the information you gather throughout your field work. Keep track of:

Methods you used to test your WITRB question. Make sure these have:

- What tools did you use
- How did you use them
- What you measured
- Where you measured it
- The number of times you measured your data (**Ask me about how many times you should do this**)

Results you got from your data. Make sure you have:

- Separate tables for both of your factor (this also means both of your factors will need to have measureable features)
- Those tables should contain the data your took for each measurement
- Averages if needed
- Error values if needed (this is data such as the turbidity sensor bouncing around. What was the max number it bounced to and the lowest? Of course, this may mean the machine is malfunctioning)

### **Presentation portion:**

You will be presenting this before the class. There will be at least six slides. We are going to shoot for a minimum of 8 minutes which means make sure you have at least 78 seconds of material to talk about per slide.

### **All slides will include at least one photo**

First slide is the introduction. Which will include:

- What you are testing
- Why you are testing it (Other than you were told you)
- Why it's important to water quality
- Include your WITRB question

Second slide is the tools part of the methods section. Which will include:

- A list of tools you used

Third slide is the how you used the tools part of the methods section.

- DO NOT include a step by step list on your slide. You will, however, need to tell the class what you did step by step.

- DO include a brief summary of what you did to test it. Again, you will verbally report the step by step process

Forth Slide is results slide. Which will include:

- The tables you used to collect your data. The tables should include where you got your data, how many times you took measurements, which parameter was being tested, and anything else you kept track of.

Fifth Slide is graph portion of your conclusions:

- Include a graph that plots all of the data you are taking. As in plot the data points from both parts of the WITRB on top of each other
- Be able to tell the class does it show correlation, and why.

Six slide is answering the WITRB portion of the conclusions:

- Does the WITRB question you posed have a relationship?
- Why? (cite your data, as in put it on this slide if it's relevant)
- What do you think caused these two factors to have a relationship (or not)?

Mr. Bregar has created a list of helpful how-to give presentations tips that will be uploaded to the webpage that you SHOULD look at. The most important piece: Practice your presentations in your groups before you present.

Email the power-points to Mr. Bregar when you are done. DO NOT share them on Google Drive. Do include all partners' LAST names in the email's subject line.