**SBI3U Culminating Review JUNE 2014**

Your culminating will take place over four days:

* Review for Day 1: MAY 12
* Day 1 (Interpreting Data & Designing a Lab): May 13
* Review for Day 2: May 26
* Day 2 (Graphing, Interpreting and Analyzing Lab Data): May 27

On Day 1 you will be given actual lab data and you will be asked to interpret it, then you will be asked to design an experiment that would generate the lab data.

On Day 2 you will be given data from a scientific investigation, asked to analyze it, and then asked to design the investigation that would produce that data.

Please bring a pencil, eraser, calculator (NOT a cell phone) and ruler each day since there is no sharing during culminatings/exams. Below you will find the topics that you will need to review before each day.

DAY 1: Review Topics:

* How to graph
* Enzymes:
  + Various types/names & which macromolecules they break down and what they break them down into
  + Where are they produced, where do they function, do they need help to function?
  + Best environmental conditions that they work in, including specific pH
* Given a procedure flow chart:
  + Design an appropriate & proper observation table that could be used to record the observations of the experiment.
  + Predict the results of the experiment & be able to explain your prediction

DAY 2: Review Topics:

* What are auxins? How do they affect plant growth?
* Be able to interpret a graph
* Designing your own investigation:
  + Stating a purpose
  + Stating a hypothesis
  + Designing a procedure flow-chart
  + Identifying independent, dependent & controlled variables
  + Designing an observation table