AP Biology Name: _____

I Abide by the Honor Code.

AP Biology Summer Assignment

Introduction:

This summer, you'll be exploring how we use Statistics in AP Biology. Scientists make hypotheses, design experiments, and then analyze the data. An important tool in data analysis is statistics. Statistical tests are used to evaluate hypotheses and describe data sets. We will specifically focus on Standard Deviation and Standard Error of the Mean. This is something that you will be required to graph on the AP Exam.
AP Biology is a fun subject – Enjoy!! I cannot wait to see you this Fall!

Assignments:

1. Read Unit 0.1. Take your own notes on this – you can annotate the text in notability, take Cornell Notes, or create your own outline. You will answer the 7 concept check questions, the 2 "your turn" questions, the 7 review questions, and Section 1 and 2 AP Practice Questions.

2. Complete the Practice with Statistical Analysis & Error Bars Homework Assignment. In this assignment you will have to create two graphs. For graph number 2, the standard deviation is already calculated for you! Watch the videos linked below for extra help!

Assignment Resources:

You will need to sign in with your BVHS email
https://drive.google.com/drive/folders/1O0pke9NCSLeyf-I0OK1rddpqk4eLTiv7?usp=share_link

Video Resources:

Standard Deviation: **https://www.youtube.com/watch?v=09kiX3p5Vek**
Standard Error: **https://www.youtube.com/watch?v=BwYj69LAQOI**
How to Graph Error Bars: **https://www.youtube.com/watch?v=RO1O58XnwWY**
How to Graph Error Bars #2: **https://www.youtube.com/watch?v=cYZdEOxGxPM**

Due:

Submit via file upload to Canvas Monday, August 10, 2026 at 7:30am. This assignment is a test grade.

Please email me if you have any difficulty with this assignment. trisha.calfee@bvhs.org