

Welcome to AP Biology 2018!

This is a fun, albeit fast-paced course that will explore all of the major topics in biology. In order to have enough time to make it through all of the content necessary for the AP, some of the learning will have to happen over the summer. The required textbook for this class is *Principles of Life, Second Edition* by Hillis, Sadava, Hill, and Price.

For your summer assignment:

Read and take notes on:

- Chapter 34 → Neurons, Sense Organs, and Nervous Systems
- Chapter 35 → Control by the Endocrine and Nervous Systems
- Chapter 39 → Immunology: Animal Defense Systems

Watch and take notes on:

- [The Nervous System](#)
- [Responses to External Environments](#)
- [Plant and Animal Defense](#)
- [The Immune System](#)

When school resumes, we will spend the first few classes discussing the assigned material. Then, you will have a test on the material within the first week of returning. The test will be your first AP Bio assessment and will reflect the format of the AP Exam: multiple choice questions followed by a free response. Although they are not assigned, I encourage you to try to answer the questions at the end of each section in your book. The questions will test both your understanding of the material and your ability to extrapolate from that information.

In total, your summer assignment will have the same weight as a small test and is broken down into two components: the quality and content of your participation in the in-class discussion and the score you earn on the test. Participation accounts for 25% of the assignment grade and your test score accounts for the remaining 75%.

If you have any questions on the assignment, don't hesitate to contact me at:
jmccrystal@fredericksburgacademy.org

Best of luck on the assignment, and I look forward to working with all of you!