



Dear Prospective AP Biology Student,



Advanced Placement Biology is a course designed to be the equivalent of an introductory college course usually taken by a biology major freshman year. This class will differ **significantly** from Freshman Biology with respect to the kind of textbook used, the depth and range of topics covered, the type of laboratory work, and the time and effort required of students. Our textbook is *AP Edition Campbell Biology* (10th Edition).

Because the AP exam is in early May, it is imperative that students complete their summer assignments prior to the start of school. This is necessary to ensure that all topics are covered and that you are **fully prepared** for the AP Biology exam. **Both assignments are due the 1st day of class. Absolutely NO late work will be accepted!** *Please do not say or ask the following ... "My printer died." "I ran out of ink." "Can I go to the Media Center to print my work?" If you come to the 1st day of class without your summer work, you will receive a **zero!***

Assignment 1: (14 points)

- A **very important** requirement for this class is a **3" 3-ring binder**. Please download and place into your binder the Notebook Rubric from **baileybio.com**. Follow the directions for setting up your binder very carefully!
- A 2nd requirement for this class is a plastic accordion style folder. You will need 12 sections, one for each of the 12 AP Biology labs.

Assignment 2: (36 points)

- Read and **STUDY** the following chapters:
 - Chapter 1 - Evolution, the Themes of Biology, and Scientific Inquiry
 - Chapter 2 - The Chemical Context of Life
 - Chapter 3 - Water and Life
 - Chapter 4 - Carbon and the Molecular Diversity of Life
 - Chapter 5 - The Structure and Function of Large Biological Molecules
 - Chapter 6 - A Tour of the Cell
- Download, print, and answer Chapter 1-6 Guided Reading Questions (**baileybio.com**).
 - ✓ The answers to the Guided Reading Questions **MUST** be handwritten (5 points each).
 - ✓ The "Design an Experiment" (Chapter 1) must be typed and printed separately. It will be graded and count as a **QUIZ grade**
- Read, color, and **STUDY** all Biochemistry Color Plates provided (2 points each).

Quizzes will be given based on the above chapter reading and color plates.

Quiz 1: Evolution, Themes of Biology, Scientific Inquiry

Quiz 3: Biochemistry (Part 2)

Quiz 2: Biochemistry (Part 1)

Quiz 4: Cell Structure & Function

This course will offer you the conceptual framework, knowledge base, and critical thinking skills necessary to tackle the exciting field of biology. I am also extremely committed to fully preparing you for the AP Biology exam. I look forward to working with **each** of you in the fall!



Sincerely,
Mrs. Bailey