



# 2022-2023

# AP BIOLOGY

This is a one-year equivalent of a college level course. It will prepare students to take the AP examination in Biology. This course will pursue in-depth analysis of biological concepts which include the four BIG IDEAS from the AP Course Description:

Evolution.

1. Cellular Energetics: energy and communication
2. Genetics and information transfer
3. Ecological Interactions
4. Evolution

**Prerequisites:**

- \* Successful completion of biology and chemistry.
- \* Excellent work habits and self-motivating behavior is a must.
- \* Come prepared every day.

## To Do List:

~ Sign up for Google Classroom  
CODE: [fqmzyw](#)

~ Email introduction letter:  
(25 pts if completed by 8-1)  
Instructions on next page

~ Chapter 1 Reading Guide  
(55 pts if completed by 8-1)  
Instructions on next page

~ Biology Basics Packet  
(105 pts if completed by 8-1)  
Instructions on next page

## Materials:

- \* \$10 Lab Fee
- \* 200 page Notebook
- \* Pen/Pencils
- \* Colored Pencil
- \* Glue Stick
- \* folder

**Mrs. Hobbs**

**AP Biology**

[https://sites.google.com/wsd3.org/  
mrshobbs/home](https://sites.google.com/wsd3.org/mrshobbs/home)

[hobbsk@wsd3.org](mailto:hobbsk@wsd3.org)

# AP Biology Summer Assignment MRHS

– Mrs. Hobbs Welcome to AP biology!

*“I know quite certainly that I have no special gift. Curiosity, obsession and dogged endurance have brought me my ideas.” -Albert Einstein*

## Mandatory Assignments

**Assignment 1 (20 pts):** Introduction letter

**Due: July 20<sup>th</sup> 2022**

First, I would like to know a little about who you are so your first assignment is to send me an email. Yup...it's true! Your first AP Biology grade will be sending me an email...if only all of the grades were this easy! I will reply so you have electronic record that your assignment was received.

Turn it in threw google classroom by July 20th<sup>t</sup> (5pts extra credit if you get it to me by July 4<sup>th</sup>):

**Subject Line:** AP Biology 22-23

**Body:** Your full name (& nickname that you go by if you have one) & stuff about you!

1. Who was your last science teacher? What class?
2. What other science classes have you taken? Are planning to take this school year?
3. What were your top 4 favorite labs from your biology class?  
Have you ever worked with live organisms in a lab before?
4. What do you like to do (*hobbies, sports, music, interests, etc.*)?
5. Do you have a job or plan on getting a job this school year?  
What kind/where?
6. What are your personal strengths when it comes to learning new material?
7. What causes you to struggle in a course?
8. What is the most effective way for you to prepare for a test?
9. List 3 review activities other teachers have done that were helpful for test review.
10. How many AP classes have you taken so far? How many have you passed with a 3 or higher? How many are you taking this year (please list)?
11. What is your preferred learning style (notes/lecture, independent/group projects, videos, reading texts, case studies, other...)
12. Was there anything that you liked or disliked about your earlier biology class?
13. What are you looking forward to the most in AP Biology?
14. What are you most anxious about in AP Biology?
15. Why are you taking AP Biology? What do you hope to accomplish/gain?

Don't worry! There is no right or wrong answer....be honest so that I can figure out the best way to help you this coming school year! ☺ A word of advice: please remember to use proper salutations, closing, phrasing, etc.

**Assignment 2 (50 pts):** Chapter 1 reading guide

**Due: Aug 1<sup>st</sup> 2022**

(5pts extra credit if you get it to me by July 14<sup>th</sup>)

These assignments are necessary in order to meet our rigid timeline. These reading guides will become very familiar. Though some are very lengthy, they cover the important parts of each chapter. Do the self-quizzes in the back of the chapter. Most students agree that the reading guides are long, but useful. Don't wait until the last minute to do them. They take time and understanding. **To turn it threw google classroom.**

Complete the following activities:

1. In google classroom you will find chapter one of our textbook, read it then complete the following:
  - a. Complete Chapter 1 reading guide
  - b. End of chapter review questions

**Assignment 3 (100 pts):** Biology Basics Packet

**Due: Aug 1<sup>st</sup> 2022**

(5pts extra credit if you get it to me by July 14<sup>th</sup>)

The packet will be posted in google classroom print it out and complete. These are NECESSARY skills needed that we will not have time to go over in class. Be sure you can do them.

Turn in using google classroom.

## Optional Assignment

**Assignment 4:** Summer Scavenger Hunt

Complete the task(s) listed, and provide the appropriate documentation (indicated in parentheses). For every three that you complete and document successfully, I will give you five bonus points on your first course exam.

1. Grow a plant. (*living plant brought to class on day 1 with pictures of its progress*)
2. Go to two state parks and take a walk. (*photos AND maps*)
3. GO to the Zoo. (*photo AND stub*)
4. Go to the Denver Museum of Nature and Science. (*photo of you in front of the Body Treks exhibit or in front of your favorite thing inside the Body Trek exhibit*)
5. Go to a beach (can be an ocean beach or lake beach). Collect sand in a glass jar. (*jar of sand AND photos with you in it*)
6. Find an animal in the wild (no dangerous ones!). (*photo of animal AND photo of you standing where the animal was*)
7. Play the board game “Settlers of Catan” or “Risk” or the card game “Apples to Apples” (photo of you playing the game)
8. Identify 3 types of grasses in the neighborhood. (*picture of the grass with handmade sign with the grasses name on it*)
9. Identify three species of tree in your neighborhood. (*leaves & genus/species of each*).