



2020-2021

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. Cell processes: 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: hcouznx

~ 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
(100 pts if completed by 8-1)
Instructions on next page

Materials:

- * \$10 Lab Fee
- * Composition 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

All assignments turned in passed listed due date will be docked 50%

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

How to turn in assignments:

To turn in paper assignments, you can scan it and email it or drop it off at the school office.

Under “normal” conditions the school office is open during the summer. (make sure your full name is on the packet and Mrs. Hobbs name as well)

Mandatory Assignments

Assignment 1: Introduction letter

Due: July 20th 2020

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.

Here is what I would like you to email me at hobbsk@wsd3.org by July 20th¹ (5pts extra credit if you get it to me by July 4th):

Subject Line: AP Biology 20-21

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?
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 test prep material a teacher has given you to prepare for a test?
9. How many AP classes have you taken so far? How many have you passed with a 3 or higher? Which was the easiest/hardest, & why?
10. How many AP classes are you taking this year (please list)?
11. Have you or will you be taking anatomy and physiology?
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: Chapter 1 reading guide

Due: Aug 1st 2020

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

This assignment is 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.

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: Biology Basics Packet

Due: Aug 1st 2020

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

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. To turn it in by the due date (which is before the first day of school) you can drop it off at the school office.

Optional Assignment – 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. ** In all photos with you in them you must be holding a sign with your name on it and the date. **

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. (photo(s) of you 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)
5. Go to a beach (can be an ocean beach or lake beach). Collect sand in a glass jar. (jar of sand AND photo(s) 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).