

AP Biology Summer Homework-2017
Welcome to AP Biology!

Hello AP Biology Students!

Welcome to AP Biology! This class has high expectations and we have a lot of material to cover before May. It is essential for you to stay up with the work load so you are fully prepared. During the summer and the year you are required to do independent work. I am very excited to be teaching this class. It will be a lot of hard work, for both of us, but anything worth doing is always a lot of hard work. Throughout this year, you will learn about biology at deeper level and you will think harder than you ever thought possible. You all have the necessary background for this class, believe in yourself, do what is asked, and you will be successful!



Items you will need in order to complete the summer homework:

- Check out from the library: Principle of Life by Hillis, et al
 - It is **CRITICAL** that you get your textbook by **June 22nd by 1pm**
- Purchase the most current 5 Steps To A 5: AP Biology
 - Make sure to get the 2018 version – This will available on August 4th
- Optional Purchase: Another AP Test Prep Book. Barron's and Cliff Notes are both good.

Summer Homework 2016 Timeline		
Assignment	Due Date	Points Possible
1: Letter of Introduction	Friday, June 30 th	5
2: Biology Diagnostic Test & Reflection	Monday, August 21 st	10
3: Class Materials	Thursday, September 7th	
4: Biology Book Reading & Outlines: <ul style="list-style-type: none">• Chapters 1-3, 39• Appendix B: Statistics Primer	Thursday, September 7th	25

If you have any questions, you may contact me by e-mail (dwyer.danielle@tUSD.org). I will be teaching summer school and will be available for any questions about the summer homework. I **HIGHLY RECOMMEND** that you start assignment 4 as soon as possible, because there is a lot of material to go through. Waiting for the last minute would not be wise. Be mindful to put forth your **BEST** effort in order to have a solid foundation for the upcoming year. Be certain to follow the directions provided and create notes that are neat, orderly, well formatted, complete, and easy to follow. These will help when you review for the AP exam. I'm looking forward to an amazing year!

-Miss Dwyer

Assignment #1 - Letter of Introduction

Your first assignment is to successfully send an email to me. The purpose of this assignment is for me to get to know you better, examine some of the challenges you might be facing in the way of time management, as well as to give me your email address. I will be communicating via email throughout the year, so it is essential that you provide an email that you consistently check.

Due Date: Friday, June 30, 2017

Miss Dwyer's email address: dwyer.danielle@tusd.org

Draft an e-mail using the following rules:

1. Use clearly written, full sentences. Make sure you use **spell check** and do not use abbreviated words as if you were using snapchat or Instagram. You want to keep the communication professional.
2. Make the subject: **AP Bio: <Insert Your Name Here>** (do not include the brackets)
3. Introduce yourself and tell me a little bit about yourself, like:
 - What is your graduating year?
 - Who were your previous science teachers? What science classes have you taken while at Torrance High? What Math class will you be taking in the fall?
 - What do you like to do (hobbies, sports, interests, etc.)?
 - What kinds of activities are you involved with in school?
 - Do you do any volunteer work? Do you have a job?
 - What are you looking forward to the most in AP Biology?
 - What are you most anxious about in AP Biology?

My response to your email will include the following:

1. Enrollment Key for eTUSD
2. Online textbook code
3. Access code for remind app

NOTE: If you email me and don't hear back within a few days, contact me again. I usually respond within 24-48 hours.

Assignment #2 - Biology Diagnostic Test

For this assignment you will need to purchase 5 Steps To A Five, AP Biology 2017-2018 Edition. The newest edition will be available from Amazon on August 4th. Make sure you get this early so you can get the assignment completed on time. The purpose of this assignment is to identify what you already know about biology as well as areas that you will need to focus on more. This test is not worth any points. You will get credit just for submitting your reflection paragraph about your scores.

Due Date: Monday, August 21, 2017

Directions:

1. Take the first diagnostic/master exam test. The time limit is 45 minutes and please try to adhere to that time limit as best as possible. Do not use any outside resources when you take this test. You can write directly in the book as you will not be turning in your answers. The answers are found immediately after the test. Don't look at the answers because you want to know how much you actually know. There are some areas I don't expect you to know anything, so don't worry about your score. This is just to see where you are!!
2. Once you have completed the test, score your work. As you do this, note the chapters of the questions are in reference too. There are 4 questions that deal with each chapter.

3. Write a reflection summary that is **two paragraphs** [NOTE: a paragraph is 5-8 Sentences] in Word that addresses the following:
 - What did you think of the diagnostic exam?
 - How many questions did you get correct?
 - What areas were your strengths? (I would say it was strength if you received 3 out of 4 per chapter or better correct.)
 - What areas were your weaknesses? (I would say it was a weakness if you received a 1 out of 4 or less correct)
 - What areas were you even? (You had half the answers correct.)
 - Are you surprised with any areas? Explain.
4. Submit your reflection summary on eTUSD.
 - a. See Assignment #2 on eTUSD to get directions on submission, word document format, and how to appropriately head your paper.

Assignment #3 - Class Materials

Due Date: September 7th, 2017

You will need the following supplies:

- Get a **5-subject spiral bound** notebook with **pockets** to take notes in. All book outlines, chapter questions, and notes must be hand written and will go in here. You will need **lots** of room! **NOTE:** *You may want to purchase an additional spiral bound notebook just in case you finish the first one over the course of the year.*
- Get a cheap **four function calculator with square root**. You may use a calculator on the AP Biology exam and on tests in our class, but NOT if it has scientific functions or programming capability.
- Purchase a standard size **Quad-Ruled Composition** book from a local office supply store. It must be Quad-Ruled (filled with graphing paper). This will be used for labs that will be completed during the year.
- You will need a 2 or 2 ½ inch 3-ring binder with **10 divider tabs**. Each tab will represent a unit that will be covered in class.

Assignment #4 - Biology Book Reading Outlines

We have a lot of material to cover in this class and it will be helpful if you have done the readings for the first chapters we are going to cover in unit 1. There will be a reading assessment the first week back that addresses each of the four chapters outlined. I will randomly pull questions from the chapters assigned (see below). You may use your **handwritten** notes taken in your **5-subject spiral bound notebook**. Loose notepaper and typed notes may not be used. Assessment questions will be multiple choice and free-response.

Due Date: September 7, 2017 (Bring them with you the first day of school.)

Directions:

- You are responsible for reading and outlining chapters 1-3, & 39. You also need to read through and familiarize yourself with Appendix B: Statistics Primer. I **recommend** you read and take notes/outline in this order.
- See eTUSD on outline guidelines and instructions for the chapters and readings.

Advice: Do not wait until the last minute! As mentioned above, you will be allowed to use these notes on your quiz on the first day of school, but only if they are in the required notebook.