

## AP Biology Summer Homework 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 workload, 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:

- Purchase the most current 5 Steps to A 5: AP Biology [2020 Edition]
- Optional Purchase: Another AP Test Prep Book – Princeton Review and Cliff Notes are both good.

Summer Homework 2018 Timeline		
Assignment	Due Date	Points Possible
1: Letter of Introduction	Friday June 19 <sup>th</sup>	10
2: 5 Steps to a 5 AP Biology Diagnostic Test [Chapter 3] & Reflection	Wednesday August 19 <sup>th</sup>	10
3: Class Materials	Wednesday August 26 <sup>th</sup>	
4: Graphing Practice & Experimental Design	Wednesday August 26 <sup>th</sup>	20

If you have any questions, you may contact me by e-mail ([dwyer.danielle@tusd.org](mailto:dwyer.danielle@tusd.org)) I will be checking my email a couple of times a week throughout the summer, and will be in out of town at different times, so please be patient with responses. 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 19<sup>th</sup>, 2020

**Miss Dwyer's email address:** [dwyer.danielle@tusd.org](mailto: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. 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 2020 Edition. 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:** Wednesday, August 19<sup>th</sup>, 2020

#### **Directions:**

1. Turn to Chapter 3 in the 5 Steps to a 5 book, and take the diagnostic/master exam test. There are Two Sections that you will need to take – **Part A:** Multiple Choice – In & **Part B:** Free Response. The time limit is **90 minutes PER section** 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 for Part A as you will not be turning in your answers. For Part B, use a sheet of notebook paper to record your answers.
  - a. Please note that the answers are found immediately after the test, but don't look at them 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.
3. Create an AP BIOLOGY folder in your TUSD Drive. This is where you will save all your information that we do online for class.
4. Open up a google doc – Title it: Last name, First initial – 5STA5 Reflection Summary
5. Write a reflection summary that is **two paragraphs** [*NOTE:* a paragraph is 5-8 Sentences] on Google Docs that addresses the following:
  - What did you think of the diagnostic exam?
  - How many questions did you get correct?

- What areas [topics] were your strengths? (I would say it was strength if you received 3 out of 4 per chapter or better correct.)
  - What areas [topics] 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.
6. Submit your reflection summary on eTUSD.
- a. See Assignment #2 on eTUSD to get directions on submission, google document format, and how to appropriately head your paper.

### Assignment #3 – Class Materials

**Due Date:** August 26<sup>th</sup>, 2020

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.*
- A working calculator to do multiple calculations on exams, labs, and assignments throughout the year.
- 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 1 ½ or 2 inch 3-ring binder with **8 divider tabs**. Each tab will represent a unit that will be covered in class.

### Assignment #4 – Experimental Design & Graphing

**Due Date:** August 26<sup>th</sup>, 2020

Within the Summer Assignment tab on my eTUSD page, you will see the 2 documents that you will need to complete this assignment. Due to the current world situation, I am going to have everything completed and submitted online via eTUSD. There will also be a video tutorial along with DETAILED instructions on how to use, upload, & submit google docs on eTUSD. It is important that you follow these directions because points will be taken off for not following the directions. The two documents that you are going to be completing will help give you a foundation on experimental design and how to properly graph and use data, which are essential skills in Biology. Any communication that I will need to get out to you this summer will either be done via eTUSD or Remind.

There will be an optional reading assignment that will be available if you have the time or would like to get a head on the reading that we will be doing for Unit 1 in the Fall.

**Advice:** Do not wait until the last minute! On the first day of class you will need to show me the skills that you learned/refreshed on from completing the summer homework by taking an assessment.