



# AP Biology Summer Assignments 2017

Welcome to the AP Biology course! The experience will be a fulfilling yet rigorous one. We will be covering a large amount of material in-depth at an extremely fast pace. Because of this you will need to take on the responsibility of monitoring your own reading progress and study skills. This means that to be on top of your responsibilities at the start of the school year you need to complete the summer

assignments listed below. The goal of the summer assignments are to review some topics you need to know and to give you some time to interact with the material in a less stressful environment. Please take the time to work on this bit by bit before school begins. The book is dense and can be difficult to read. I will send out some reading strategies and note taking strategies in early August. The more you can do to prepare yourself the better you will do in the course. Many of my students say this is the course that actually taught them how to study. Some of the assignments are meant to be fun and help you enjoy all that biology has to offer. Not all of Biology is difficult, enjoy the parts that come easily and don't overthink it when you don't need to.

Use the AP Biology website as a guide and reference: <http://www.carlontapbio.com>. Summer assignments are fully explained under the "Getting Started" tab.

## **Graded Assignments:**

1. Read Chapters 51 and 22 of *AP Edition Campbell Biology (9th edition)*, by Reece, Urry, Cain, et. all. Complete the reading guide associated with each chapter. NOTE: If you are not purchasing the reading guide, you may answer the questions, **draw** and fill out the diagrams in your interactive notebook. Chapters 1-5 will be covered in September, **if you have time start working on CH 1-5 reading guides!**
2. Obtain your two plants by the last day of school. Start your record of their growth and your research in your lab notebook. Refer to the handout for more instructions
3. Read through all the information for AP Biology. Sign and get your parent/guardian(s) to **sign the syllabus**.
4. Make a name card to submit on the first day (11x4.5)

Picture of you	First and Last Name (use the name you wish to be called)	Picture of your favorite animal
-------------------	-------------------------------------------------------------	------------------------------------------

5. **Extra Credit:** Photo scavenger hunt – 1 point for every 5 photos, up to 10 points on the first exam – find the details at [bit.ly/2017APHunt](http://bit.ly/2017APHunt)

## **Important steps to get ready – this is all on the getting started page**

6. Set up your AP Biology Interactive Science Spiral Notebook.
7. Set up your lab notebook. Instructions are on the website. Your first lab entries will be about the plants you grow this summer – **remember to use data tables!**
8. Sign up for MasteringBiology online website (the tutorial website that accompanies your textbook). All sign-up information is on the website under “Getting Started.”
9. Read through the requirements for the AP Biology Yearly Project and start thinking of ideas. Your project proposal is due September 1<sup>st</sup>.
10. Purchase your supplies! For this class you will need the largest spiral notebook you can find for reading/lecture notes and all the activities during the year. Its best to purchase a spiral notebook with pockets for AP College Board labs that you will not glue in to your notebook. A composition lab notebook for all lab work also needs to be purchased (consider graph paper). You also want to think of purchasing #2 pencils for the scantron tests, dark blue/black pens for the essays, and colored pencils or pens.
11. Purchase a review guide – you should use this throughout the entire year.
12. Start thinking about your yearly project – Project proposals are due 9/1
13. If you need to get in touch with me, feel free to email me at [jpaoli@seq.org](mailto:jpaoli@seq.org)

REMEMBER THAT YOUR NOTEBOOK WILL DIRECTLY HELP YOU STUDY IN APRIL AND MAY FOR THE AP TEST. Please put the appropriate time and energy into your notebooks!

Upon return to Carlmont next fall you will need to bring your plants, lab notebook and data. I would like to set you up for success in AP Biology and part of doing that is to consider your own skills and dedication to the course and the passing of the examination in May. AP Biology is for hard working students who are curious about the natural world and how life works. Topics in the course can be difficult but we work to do hands on activities and labs that will help you understand the topic. I look forward to sharing this challenging and rewarding educational experience with you. Have a great summer and enjoy your reading!

Quotes from my previous AP Biology students

“I learned more in this class than any of my other classes”

“ AP Biology really helped me to learn how to study and prepare me for college level courses”

“AP Bio was a lot of work but it was also really fun”

“After taking this class I have decided to major in Biology”

“My favorite part of AP Biology is the labs – sometimes they are hard but once you work through them it feels great to know that you learned so much more than just following some steps”

“I feel that the yearly project allowed me to expand my skills learned in AP Bio and also learn more about the concepts that interested me in the course.”