AP Biology Overview and Summer Assignment 2018

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COURSE DESCRIPTION

AP Biology is a rigorous, fast-paced course. The AP Biology course is equivalent to two semesters of college introductory biology. As such, will be covering, on average, a chapter a week out of a college-level textbook. The College Board requires that 25% of instructional time will be spent on hands-on laboratory work, with an emphasis on inquiry-based investigations.

The course is based on four Big Ideas.

- Big Idea 1: The process of evolution drives the diversity and unity of life.
- Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis.
- Big Idea 3: Living systems store, retrieve, transmit, and respond to information essential to life processes.
- Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties.

SUMMER ASSIGNMENT

The purpose of the summer assignment is to review concepts of Chemistry that we will build on during the course.

Required text:

AP Edition Campbell Biology 11th Edition. Please check a textbook out from the library to complete the summer assignment. You can also access the text online through the Mastering Biology website.

Assignment and grading rubric:

Read Chapter 2.
Mastering Biology assignment for chapter 2: _____ / 13

Read Chapter 3.
AP Biology Reading Guide for chapter 3: _____ / 16
Mastering Biology assignment for chapter 3: _____ / 10
Problem Set for chapter 3: _____ / 13

Read Chapter 4.
AP Biology Reading Guide for chapter 4: _____ / 6
Mastering Biology assignment for chapter 4: _____ / 9
Problem Set for chapter 4: _____ / 13

Total _____ / 80

Due the first day of school: August 29, 2018

The reading guides and problem sets are worksheets that were handed out in June. The Mastering Biology assignments are online assignments that will require you to register for and log into the Mastering Biology website.
**Mastering Biology Website**

We will be using the online resource Mastering Biology for Campbell, Biology 11e AP Edition.

**To Register you will need:**
- Your school email.
- The course ID: **OBRIEN2018**
- An Access Code: **SSNAST-CLONK-RETRY-BLOCS-TANIS-TOTES**

**Follow these steps to register:**
2. Under Register Now, select Student.
3. Select OK! Register now.
4. Enter the Course ID (**OBRIEN2018**), and choose Continue.
5. Select your course. Our course is **APBio2018-2019**.
6. If you don’t already have a Pearson account from another AP class, select Create and complete the required fields. (Write down your username and password. You will need these to Sign In to Mastering Biology)
   - You have an account if you have used a Pearson MyLab & Mastering product, such as MyLab Math, MyLab IT, or Mastering Chemistry. Enter your existing Pearson account username and password and select Sign in.
7. Select an option. You will see "Use an Access Code."
   - A prepaid access code came with our textbooks.
8. Enter the access code: **SSNAST – CLONK – RETRY – BLOCS – TANIS - TOTES**
9. You will see “You’re Done!”

You are now registered to use Mastering Biology!

**To sign in later:**
2. Enter your Pearson account username and password from registration (the username and password that you created in step 6 above), and select Sign In.
   - If you forgot your username or password, select Forgot your username or password?

*During the first two weeks of school we will be covering Chapters 5 and 6. Feel free to explore the text, Dynamic Study Modules, and the Study Area offerings (Study by Chapter, Get Ready For This Chapter, Figure Walkthroughs, etc.) found on Mastering Biology.*