

Hillcrest High School
Biology AP* Syllabus 2015-2016
Mrs. Reichelt

** Check out the website at: www.reicheltscience.com Email at reichela@d93.k12.id.us

Description:

Biology AP: This is a college introductory biology course. The newly revised AP Biology curriculum focuses around four Big ideas (Evolution, Energy Processes, Information transfer, and Interactions) The goals of AP biology are to help students develop a conceptual framework for modern biology, and an appreciation of science as a process.

AP BIOLOGY EXAM: MAY 19, 2016 8:00AM

Big Ideas: By end of course student will be able to apply these ideas with several biological examples.

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

Grading policy: Grades will be determined as follows.

Homework/assignments	= 10%
Labs	= 10%
Tests	= 35%
Quizzes	= 30%
Final exam	= 15%

Total= 100% of grade per semester

Materials:

1. Campbell, Neil and Reece, Jane B. 2011. *AP Edition Biology*, Ninth Edition, San Francisco, CA: Pearson Benjamin Cummings.
2. *AP Biology Investigative Labs: An Inquiry-Based Approach*, The College Board, 2012.
3. Laboratory/classroom combination that accommodates the curriculum of Biology AP.
4. Released multiple choice tests and free response biology questions from 1968 to present.
5. Selected websites and electronic media: AP central, Blast, Eduweblabs, reicheltscience, additional sites with labs, exercises, quizzes will be used as supplementary study resources.

Academic Integrity

We will be working together in interdependent groups for class assignments, labs and activities. It is your responsibility to make sure you understand the material, as your tests will be completed individually. No cheating will be tolerated; all cheating will result in a 0 for all students involved and no make-up work will be given to offset that grade. If a student is using their cell phone while testing I will assume they are cheating. This will automatically result in a 0 and a parent teacher conference.

Course Schedule: (tentative)

Week	Semester 1	Week	Semester 2
1-3	Chapter 2, 3, 4, 5 Biochemistry	1-2	Chapters 20, 21 Genetics part 2
4-10	Chapter 6, 7, 8, 9, 10 Cells	3-6	Chapters 22, 23, 24, 25, 26, 32 Evolution
11-13	Chapter 11, 12, 13 Communication	7-9	Chapters 40, 42, 43, 45, 48, 49, 51, 35, 36, 38, 39 Form and Function
14-16	Chapters 14, 15, 16, 17 Genetics part 1	10	Chapters 52, 53, 54, 55, 56
17- Finals	Chapter 18, 19, 20 Genetics part 2	11	Practice Exam with scoring
		12-15	Review
		16	AP Exam

Miss School, Miss Out!

I have read and understand all parts of this syllabus and will abide by rules and expectations. Please remember to initial in appropriate areas of syllabus- Thank you! *Please note the syllabus is subject to change.*

Student name printed _____ Parent name printed _____

Student signature _____ Parent signature _____