

TEXTBOOK

McDougal Littell Biology (2007)

COURSE DESCRIPTION

Grade: 09-12 Year - 10 credits
Meets UC/CSU "d" requirement
Description: This course is designed to provide students with an appropriate level of understanding and appreciation of the biological world in which we live. The class is a college preparatory course and is designed to challenge students as well as to give them experience in micro/macro laboratory techniques, technological applications, collaborative work environments, and other lab related experiences. Students enrolled in this class can expect homework every night; the time required for its completion will depend upon the individual student. Success in the class will depend upon the students ability to maintain a responsible work ethic, develop critical thinking and processing skills, as well as competent note taking skills and study skills which, in turn, will aide the student at the college level.

SUPPLY LIST

- Paper
- Pencil and pen
- Colored Pencils

CLASSROOM BEHAVIOR

Students are expected to act maturely. In general, if you do your best and do to others, as you want them to do to you, you won't need any other rules. However, if you have any questions, the following rules as well as the school rules should serve as a guideline to proper classroom etiquette:

1. Be Respectful
2. Be Prepared
3. Be Responsible
4. Follow all school rules

CONSEQUENCES

I follow all discipline procedures outlined in the student handbook. Please refer to the handbook for discipline procedures.

GENERAL INFORMATION

CP Biology will be a step up in intensity from what you were used to. In order to earn the same grade in science from last year, you will need to try harder. All that I ask is that you step up your own intensity level, do not give up, come and get tutoring, and keep trying.

Your reward will be in the confidence you earned knowing you did your best, worked your absolute hardest, to get to the goal you set for yourself.

GRADING POLICY

I grade using a point system, where the student's grade is figured by dividing the total points the student earns by the total possible in the class. Two semester grades are issued per year.

Grade breakdown:

- A - 90% or higher
- B - 80% - 89%
- C - 70% - 79%
- D - 60% - 69%
- F - below 60%

Quizzes: Quizzes will be given very frequently to make you accountable to keep up on studying. They will account for **10% of your grade.**

Exams: Exams account for approximately **40% of your grade.**

Notebook: All assignments will be kept in your notebook. Your notebook will be collected periodically and accounts for approximately **10% of your grade.**

Labs and Projects: Labs allow you to investigate and discover info. Projects are intended to arrange, organize, and present course concepts in a creative way. **20% of your grade**

Homework: Homework will be assigned almost every night. **10% of your grade**

Participation: Consistent attendance, attitude and participation are vital to success in the class. **10% of your grade.**

Late work will NOT be accepted for any reason other than an excused absence. Make sure that you staple the "attendance slip" to the assignment you are turning in late to receive full credit

LABORATORY

Labs are the core of CP Biology. Labs emphasize the current content of the course and should be completed correctly for full credit. Labs will always be collected the next class meeting after data collection unless otherwise announced. Due to the difficulty in making up labs, if you are unable to complete a lab you must complete an equal but alternative assignment. This is typically research or an essay on the topic. Because we will be using potentially dangerous lab equipment, you will follow strict guidelines for completing all labs.

Lab Groups: Each person will be assigned a lab group. This group is your key to a good grade. You will learn together, help each other and sit together. Lab groups typically have 3 to 4 students. These groups will rarely change unless the dynamics of this group interferes with learning.

ABSENCES/TARDIES

If you are absent you must have a readmit when you return. You will have the same amount of days to make up the work equal to you absences. This course is based on "in class learning". You must attend class on a regular basis in order to receive a satisfactory grade since this class is "hands on". You cannot complete most labs at home.

It is the responsibility of the student to obtain any and all missing assignments. All missed work must be made up during lunch or after school, not during instructional time (please make arrangements before showing up). You are responsible for figuring out what you missed during your absence. When you come back you must get the necessary materials or assignments missed, including lecture notes. Missed exams must be taken the day that the student returns to school.

You will lose 10 points from the warm-up every day that you are tardy. The VMHS tardy policy will be followed.

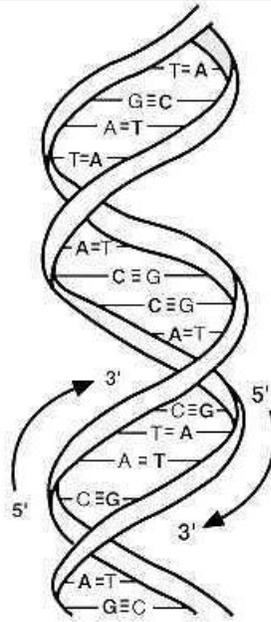
HOMWORK

The goal of homework is not to get an answer, but is to understand how an answer is achieved! Those who do their own homework will almost always perform better of quizzes and exams.

COURSE TOPICS

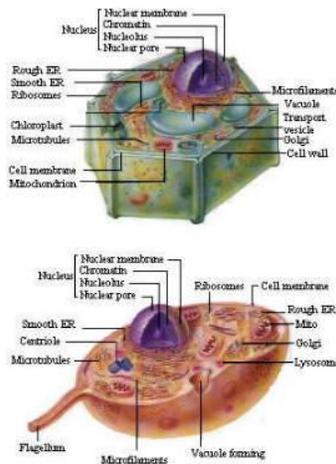
Fall Semester: 18 Weeks

- Biology** - 2 Wks - Chapter 1
-Metric Lab, Cricket lab, Carrot Lab
- Biochemistry** - 3 Wks. - Chapter 2
- Enzyme Lab, Life Substance Lab
- Cell Biology** - 3 Wks.
- Chapter 3, 5
- Cell Types Lab, Osmosis Lab
- Cellular Physiology** - 3 Wks - Chapt.4
- Yeast Lab,
- Nucleic Acids, Protein Synthesis, and Biotechnology** -3 Wks.-Ch. 8-9
- Strawberry DNA Lab



Spring Semester: 18 Weeks

- Genetics** - 4 Wks. - Chapter 6-7
-Karyotype Lab, Human Genetics Lab, Probability Lab
- Evolution** - 4 Wks. - Chapter 17, 20, 10-12
- Bird Beak Lab, Time Scale Lab
- Ecology** - 4 Wks. - Chapter 13-16
- Eagle Lab
- Bacteria, Viruses, Protists, Fungi, Epidemiology** - 2 Wks- Ch. 18-19
- STD Lab, Protist Lab
- Plants & Animals** - 4 Wks- Ch. 21-27
- Plant and Animal Lab
- Human Physiology** - 4 Wks- Ch. 28-34
- Human Physiology Lab



CONTACT LIST —

CLASSMATES TO CALL FOR HELP IN BIO

1. _____

Phone: _____

2. _____

Phone: _____

3. _____

Phone: _____

4. _____

Phone: _____

5. _____

Phone: _____

I have read and discussed the material on this class syllabus with my parents. It will be kept in my notebook at all times for future reference. Note: Students need to have all class supplies by Friday. **Class: CP Biology** **Period: _____**

Parent/Guardian Name

Student Name

Parent Contact (Phone #; email)

Student Contact (Phone #; email)

Parent/Guardian Signature

Student Signature