

MR. MUEGGE
PIONEER HIGH SCHOOL
BIOLOGY
Syllabus 2009-2010

Textbook:

Holt, Rinehart and Winston, Biology 2006, Johnson and Raven.

Course Description: This course will be **much more** than a regular high school biology class. Not only will we be covering the California State Biology Standards, but students will also complete an extensive list of competencies in biotechnology in order to fulfill the requirements of a certification program with the Regional Occupational Program. If they do complete these competencies, they will receive a special certificate at the end of the year and have a great chance of participating in a paid internship during the summer with a local biotech company.

Introduction: Algebra is required by the State of California for graduation with the completion of this course the student will be enrolled into either Algebra I or Mathematics for Technologies 1. Those students aspiring to go on to college should go into Algebra 1, those wishing to go to a technical school or straight to the work force will more than likely go into Mathematics for Technologies 1.

Objectives:

The main **objectives** of my class are to:

1. Introduce fundamental biological concepts and how they these concepts can be applied to improve our lives through advances in medical, environmental and agricultural biotechnology.
2. Involve science projects that have an underlying theme of benefiting humanity. This course will reinforce biological standards and concepts from class projects.

Instructional Materials:

1. Students are supplied with textbooks or study material.
2. Students need to bring a pen or pencil to class.

Grading Scale:

- A 100-93
- B 92-85
- C 84-77
- D 76-65
- F 64-0

Tests: Tests are given at the end of each unit. I will notify the students at least one week ahead of when a test is going to be. The day before the test there will be a test review that will be very similar to the actual test. The quizzes and positive participation will count for 80% of the grade.

Credits: Credits are earned by the amount of work a student does in one session. A student may earn 5 credits in one session with in class and out of class work. The average credits earned per session are 1.5 – 3.50.

Homework: Homework is not required at Pioneer High School. Students earn credits by being productive learners in class.

Contact: If you need to contact me in any way, please feel free to call the school, 243-1880; or email fmuegge@suhsd.net. I welcome any comments or concerns you may have.

Basic daily format of class:

1. Introductory assignment (lab prep, quiz, writing assignment, reading) -*quiet*- 10 minutes
2. Discussion of introductory assignment, lead-in to lesson/activity, 5-10 minutes
3. Lesson or activity, 30 minutes

Behavior/Participation 50%
Quizzes 30%

Activities 10%

Presentations 10%

In addition to attendance, behavior and participation, the following will be formally assessed:

1) Time management and organization:

Does the student make effective use of the time given to work on assignments? Are assignments well organized?

2) Quality of product:

Is the student, according to his or her ability, and time limitations, producing the best product possible?

3) Satisfactory completion of classroom assignments:

These assignments include reading, writing, and problem solving tasks as well as self and peer editing, presentations, and formal testing by the teacher.