



Biology I – Hutcherson



Introduction

Biology affords students the opportunity to complete an introductory science course that studies the living systems of earth. This course is focused on the building connections between biology at the cellular and molecular level though biology at the environmental level. It is important for students to understand the role biology has on society and the responsibility that students have to make informed decisions about issues raised by advancements and research in biology.

Classroom Guidelines

In order to maintain an atmosphere conducive for learning, each student has the following responsibilities:

1. Be in class and in your seat **on time**. This means by the time the bell rings and not as the bell is ringing or after!
2. **Be prepared**. You are to bring a pencil/pen, three ring binder/folder, and paper **every day**.
3. Classroom textbooks are to be taken care of and should be brought to class unless I personally say otherwise.
4. Keep all papers in your binder/folder.
5. Turn in homework on time! Late homework may not be accepted or may receive a grade deduction. If you are absent, school policy for make-up work will be followed.
6. **NO** electronic devices (cell phones, mp3 players, etc.) are allowed on during class time. Using devices during instructional time will result in a write up.
7. **NO ONE** is allowed in the laboratory without permission. Entering the laboratory without prior authorization will result in a write up.

Additional Guidelines:

1. There is **NO** food, beverages, or gum allowed in class unless I have been notified otherwise by the office. This means that there is to be **NOTHING** in your mouth at any time during class.
2. **Mature behavior** and **common courtesy** is required at all times. For instance, there is no running, rude or profane talk, sitting on desks or lab tables, throwing anything, etc. You are expected to conduct yourselves as young adults at all times. Any behavior that interferes with my teaching or others' learning will be dealt with immediately.
3. **Safety** is a must. All behavior is expected to meet all and any safety guidelines for and in any situation. Specific directions will be given before the start of any lab and are expected to be followed.

Course Overview:

The topics taught in this class focus around 12 major units. Each unit is then broken down into individual chapters with separate assessments. This course also has a very large focus on vocabulary used in science as well as science skills that could be obtained through laboratory assessment or case studies. This includes some math based skills required to read and interpret graphs or calculations based on case studies.

The 12 units covered in this course are as follows:

Unit 1: Biochemistry

Unit 2: Cells

Unit 3: Cell Transport

Unit 4: Photosynthesis

Unit 5: Cellular Respiration

Unit 6: DNA

Unit 7: Protein Synthesis

Unit 8: Cell Cycle

Unit 9: Genetics

Unit 10: Mutations and Gene Regulation

Unit 11: Evolution

Unit 12: Ecology

Grading:

Every student has an equal opportunity for success. Grades are based on tests, quizzes, homework, and labs. Correct grammar and punctuation is expected. Therefore, a portion of the grade for all written work will be based on the use of correct grammar and punctuation. The class is based on 3 categories. The grading scale follows:

93 - 100	A	Tests	= 50%
90 - 92	A-	Quizzes	= 25%
87 - 89	B+	Homework/Labs	= <u>25%</u>
83 - 86	B		100%
80 - 82	B-		
77 - 79	C+		
73 - 76	C		
70 - 72	C-		
67 - 69	D+		
63 - 66	D		
60 - 62	D-		
59 or below	F		

I HAVE READ AND UNDERSTAND THE ABOVE GUIDELINES AND RULES:

Student signature and date

Parent signature and date