

# HONORS BIOLOGY

Teacher: Margaret Michaud

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School Phone 484-1151 Ext.056

Schoology Code: HN53H-QFHNV

Welcome to Biology! Honors Biology is designed to give the student a more challenging and in-depth experience of the NC Standard Course of Study in Biology. In Honors Biology, students are expected to work independently on a variety of assignments and accept greater responsibility for their learning using inquiry based model. In addition to the Essential Standards, students are expected to: design and carry out several independent investigations of biological questions, research and report on recent research/current issues in biology, and demonstrate a more in-depth conceptual understanding of all biology objectives.

## Objectives

- Understand the relationship between the structures and functions of cells and their organelles.
- Analyze the cell as a living system.
- Analyze the interdependence of living organisms within their environments.
- Understand the impact of human activities on the environment (one generation affects the next).
- Explain how traits are determined by the structure and function of DNA.
- Understand how the environment, and/or the interactions of alleles, influences the expression of genetic traits.
- Understand the application of DNA technology.
- Explain the theory of evolution by natural selection as a mechanism for how species change over time.
- Analyze how classification systems are developed based upon speciation.
- Understand how biological molecules are essential to the survival of living organisms.
- Analyze the relationships between biochemical processes and energy use in the cell.

## Required Materials

- Miller and Levine's *Biology* (issued by teacher)
- Composition notebook--quad ruled or graph
- Pens and/or pencils
- Highlighter

## Point Categories

Tests/Projects-30%  
Labs-30%  
Quizzes-20%  
Classwork/Homework-20%

## Grading Policy

A 90-100  
B 80-89  
C 70-79  
D 60-69  
F 59 or below

**Remember: The North Carolina End-of-Course Biology Test is administered at the end of the semester and counts 20% of your final grade.**

## Tests/Quizzes

All missed QUIZZES and TESTS must be made up within 3 days.

## Absences

Students are responsible for all work missed in class due to an absence. This includes making up missed labs after school or during lunch.

## Late Work

Any assignments that are to be turned in will be deducted 10 points for each day that it is past due.

## Notebook Format (There must be an entry for everyday even if absent)

Today's Date  
Objective  
Focus Question  
Notes  
Assignment

## Tutoring

I am available for help after school **Tuesday & Thursday** from 3:35PM to 4:30PM. Please confirm that you will attend. Come prepared with specific questions or problems.

**It is my expectation that students be in their seat when the tardy bell rings with materials ready to begin class.**

