

# BIOLOGY

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School Phone: 484-1151 Ext.056  
Schoology Code: HPXG7-P2BGP

Welcome to Biology! This class will investigate the principles and topics of first year biology. Biology is the study of life and its change over time within the natural world. In this course students will investigate these phenomena through discussion, current events, cooperative learning, laboratory work, written reflection, and scientific inquiry.

## Class 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.**

