

# Welcoming to High School Biology

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I have high expectations for completing and participating in this course. Students will work individually, in groups, and along side the teacher. Students will cover 10 biology units with an independent exam taken after the unit is covered. A quiz will be given each chapter to keep students on track. Homework will be assigned in class and will have two days to complete. Students will be graded on participation. Bonus opportunities are available to students, and labs will take place once a week. An exciting final project will be completed that is based off real life situations which includes research, data collection, and presenting.

## Grading Scale:

A = 95-100 %	C = 77 – 79.9%
A- = 92- 94.9 %	C- = 74 – 76.9 %
B+ = 89 – 91.9 %	D+ =71 – 73.9 %
B = 86 – 88.9 %	D = 68 – 70.9 %
B- = 83 – 85.9 %	D-=65 – 67.9 %
C+ = 80 – 82.9 %	F = 64% or below

## Grading Procedures:

10-Exams 20%  
20-Quizzes 10%  
Unit Homework-15%  
Daily Participation-10%  
Weekly Labs-10%  
Bonus Work-5%  
Final Project- 30%

## Student Expectations:

Students will be required to come to class everyday with homework completed and needed materials. Students will be graded on attendance and active participation in classroom discussion and lab activities. Students must display a respectful attitude to everyone, and follow classroom rules.

## Classroom Procedures:

Procedures/Rules are placed around the room.

Entering the Classroom: Students enter the classroom with materials, hand in their homework in the correct bin, and sit down to complete bell work.

During lectures: Students are told to participate in discussions and raise hands to communicate.

Outside breaks: Students are limited to four bathroom breaks a semester, but in case of emergency they may do so. Students will use a chart to cross off used bathroom breaks. Students can bring water bottles in the classroom but must be outside of the lab area.

Homework responsibility Card: If students do not have homework completed they fill out a card and place it in the homework bin explaining why they do not have their work completed. I then know if they are simply being lazy, or if there is a real reason.

During Labs: Students are expected to participate and complete the entire labs. Each student has a task that they are responsible for. i.e... gather materials, boil water, clean up lab tables

**Classroom Schedule:**

- 1) August- Introduction to Biology and Scientific Method
  - History of Biology
  - Scientific method
- 2) September-Cell Structure and Function
  - Define organelles
  - Plant Cell/Animal Cells
  - Cell Project
- 3) October- Cell Cycle/Mitosis & Meiosis
  - Basic Vocabulary
  - Cell Cycle Phases (mitosis)
  - Meiosis Phases
- 4) November- Viruses & Bacteria
  - Viruses
  - Bacteria
  - Research paper
- 5) December- Human Biology
  - Common Terminology
  - Overview of Systems
  - Cancer Pamphlet

**Christmas Break**

- 6) January-Chemistry of Life
  - Terminology
  - Periodic Table
  - Compute basic equations
- 7) February- Genetics
  - Common Terminology
  - Punnett Squares
  - Pedigree
- 8) March-DNA \* Common Assessment
  - Differentiate DNA/RNA
  - Electrophoresis
  - DNA mapping
- 9) April- Plants/Animals
  - Research Plant/animal
  - distinguishing Factors
- 10) May- Ecology
  - Food Webs/Chain
  - Conservation

- Migration

\*Each Unit has a unifying exam with 2 to 3 quizzes.

Textbooks will be provided

**Material needed for Biology**

-5 subject notebooks

-folder

-pencils

-lab manual

-large eraser