

Syllabus and Pacing Guide

1.) Syllabus

Biology

COURSE DESCRIPTION

Biology introduces students to the fundamental principals of life, covering topics of cell structure and function, genetics, evolution and ecoloy. Students will explore the chemical basis of life, the diversity of living organisms, and the interactions between living things and their environment. Laboratory work is often a key component, allowing students to investigate biological phenomena firsthand.

This course is the second semester of a 2-semester course (full-year)

COURSE SUBMISSIONS

All assignments will be graded through OnFire. Any attachments must be made in a Word document file, PDF, or Google Doc shareable link and turned in through OnFire or directly to the instructor.

REQUIRED MATERIALS

All readings will be provided on OnFire.

Lab Supplies:

- Baloon
- Ruler (with centimeters)
- Food coloring
- Stalk of celery or a white carnation

**** Note, modified or alternative labs can be provided to students who do not have the required materials. ****

GRADING BREAKDOWN

A 94-100%	C 73-76%
A- 90-93%	C- 70-72%
B+ 87-89%	D+ 67-69%
B 83-87%	D 63-66%
B- 80-82%	D- 59-63%
C+ 77-79%	F 58% or below

GRADED WEIGHT OF SCHOOLWORK

- It is important to note that you will receive unlimited attempts on all assignments and quizzes until you demonstrate mastery of the content. All quizzes will be randomized and not show the correct answer, making reading the lesson material important BEFORE taking the quiz and completing the assignments.
- **Assignments and Labs: 50%**
- **Quizzes: 20%**
- **Tests and Post-Assessments: 30%**

INSTRUCTOR EXPECTATIONS AND PACING

A typical semester course at a traditional high school requires 80 hours in total, which is 40 hours per term. Since this is a self-paced course, completing it may take you longer or shorter. You are expected to spend 3-5 hours each week and submit at least one unit each.

Students can complete the course at a pace that best suits them. You are responsible for completing and turning in all assignments according to their individual needs. However, make sure to look at your school's deadlines, to ensure that you are completing courses on track.

Parents/Guardians can observe and view their student's progress through OnFire.

It would be best if you put the assignments in your calendar at the beginning of the semester so you know which work to complete each week.

2.) Technology

ONLINE TECHNOLOGIES

This course takes place online. Since we will not meet face-to-face, you must have the necessary technology and technical know-how to work effectively in this online learning environment. This online course will utilize OnFire as the learning management system. Please get in touch with your instructor if you have trouble logging in or viewing any of the documents and links posted.

3.) Pacing Guide

	<ul style="list-style-type: none"> • Make sure to read the syllabus. <p>Unit: Classification</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Classification ◦ Assignment: Classification Picture
Week 2	<p>Unit: Classification</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Levels of Classification ◦ Quiz: Kingdoms of Classification

Week 3	<p>Unit: Classification</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Assignment: Create Your Own Dichotomous Key ◦ Quiz: Dichotomous Keys
Week 4	<p>Unit: Classification</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Unit Test: Classification <p>Unit: The Human Body</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Body Organization
Week 5	<p>Unit: The Human Body</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Integumentary System ◦ Assignment: Write Your Own Children's Book ◦ Assignment: Lung Capacity Lab
Week 6	<p>Unit: The Human Body</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Circulatory and Excretory Systems ◦ Assignment: Heart Rate Lab
Week 7	<p>Unit: The Human Body</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Brain ◦ Assignment: Human Body Research Project
Week 8	<p>Unit: The Human Body</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Unit Test: The Human Body • Submit the following: <ul style="list-style-type: none"> ◦ Post-Assessment Term 1
Week 9	<p>Unit: Plants</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Plant Organization ◦ Quiz: Food Coloring Lab
Week 10	<p>Unit: Plants</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Assignment: Plant the Seed of Creativity ◦ Quiz: Plant Structure and Reproduction

Week 11	<p>Unit: Plants</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Assignment: Structure and Function ◦ Quiz: Plants
Week 12	<p>Unit: Plants</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Unit Test: Plants <p>Unit: Ecology</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Assignment: Ecosystems
Week 13	<p>Unit: Ecology</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Effects on Ecosystems ◦ Assignment: Create Your Own Ecological Pyramid and Food Web
Week 14	<p>Unit: Ecology</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Changing Ecosystems ◦ Quiz: Ecological Relationships
Week 15	<p>Unit: Ecology</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quiz: Climate Change ◦ Assignment: Final Project
Week 16	<p>Unit: Term 2 Post-Assessment</p> <ul style="list-style-type: none"> • Submit the following: <ul style="list-style-type: none"> ◦ Quarter 4 Post-Assessment ◦ Course Completion