



Biology

2022-2023

Mrs. Billman

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Class Description

This class will be a challenging combination of work and activities to dive into the state of standards as well as real world scenarios to gain a better understanding of the world around us and the impact we can have on it.

There is a lot of learning to do this year, so please come to class ready to get work done!

What will the class look like?

Throughout this year, we will use a variety of resources such as worksheets, projects, group work, tests, quizzes, Kahoot, etc.

The midterm and final exam have the potential of being either a traditional exam or a project that reflects that we have learned in class.

Course Sequence	
First 9 Weeks	Unit 1: Ecology <ul style="list-style-type: none"> • The Biosphere • Ecosystems and Communities • Populations • Humans in the Biosphere Unit 2: Ecosystems and Communities <ul style="list-style-type: none"> • Climate • Niches and Community Interactions • Succession • Biomes • Aquatic Ecosystems
Second 9 Weeks	Unit 2: Populations <ul style="list-style-type: none"> • How Populations Grow • Limits to Growth • Human Population Growth Unit 3: Humans in the Biosphere <ul style="list-style-type: none"> • A Changing Landscape • Using Resources Wisely • Biodiversity • Meeting Ecological Challenges

	Unit 4: Cells <ul style="list-style-type: none"> • Life is Cellular • Cell Structure • Cell Transport • Homeostasis and Cells
Third 9 Weeks (January 19-March 23)	Unit 5: Photosynthesis <ul style="list-style-type: none"> • Energy and Life • Photosynthesis: An Overview • Process of Photosynthesis Unit 6: Cell Growth and Division <ul style="list-style-type: none"> • Process of Cell Division • Cell Differentiation Unit 7: Animals <ul style="list-style-type: none"> • What is an Animal? And Body Plans • Animal Evolution and Diversity • Primate Evolution
Fourth 9 Weeks (April 4-May 26)	Unit 8: Animal Systems <ul style="list-style-type: none"> • Feeding and Digestion • Respiration • Circulation • Excretion • Reproduction • Homeostasis

Grading Information

A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

You will receive grades in the following areas:

- Participation
- Class Work
- Tests/Quizzes
- Labs

After work is later or missing for more than 1 week, it will become a zero.

Class Expectations

- Come to class with all your materials ready – pencil/pen, paper, charged iPad
- Participate in class
- Take pride in your work and do your best

Make-up and Missed Work

It is your responsibility to make up and missed work not exceeding one day more than the period of absence, i.e. you are absent 2 days – you get 2 days plus an additional day to complete the missed work and get it turned in. You are responsible for asking or emailing me to get your work.

