

Mrs. Barrieau's Biology Syllabus

CLASS INFORMATION:

Class: **Biology**

Meets: **Weekly**

Duration: 30 classes; 90 min live weekly classes



Teacher Information

Teacher: Heather Barrieau

Email: heather@myfunscience.com

Phone: (440) 708-8756 (Denver or MST)

Office Hour: TBD



Your Online Class

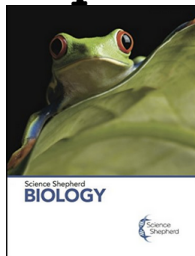
This online course is delivered entirely online using Adobe Connect for our live class meetings and the Powerschool/Schoology Learning Management System (LMS) for all other course interaction.

Class Description

Prerequisites: none

Class Description: Cells, taxonomy, chemistry of biology, genetics, bacteria, viruses, creation/evolution, photosynthesis, invertebrates, vertebrates, plants, ecology. Students will learn and submit formal labs and reports. Importance will be placed on students' understanding of scientific inquiry, the scientific method, and the resulting science lab reports.

Required Course Materials



Science Shepherd Biology
Dr. Scott Hardin
© Ohana Life Press; 3rd ed.
ISBN-13: 978-0991636914

Lab assignments will be distributed in class. Please go to **homesciencetools.com** and search My Fun Science Biology for the Lab Kit. Please purchase in advance of the course start date. We will be doing both virtual and physical labs (at home).

Technical Information

Students will need Internet access to participate in the live online classes and to access the class pages online. A headset is preferred for this course, but students will need working audio/video at a minimum for classes. A working microphone is required for class participation. **Please make sure they have access to certain educational websites:**

- Kahoot! (kahoot.it)
- Access to use Adobe FLASH based activities
- PHET (<https://phet.colorado.edu/>)
- HHMI (<http://www.hhmi.org/biointeractive>)

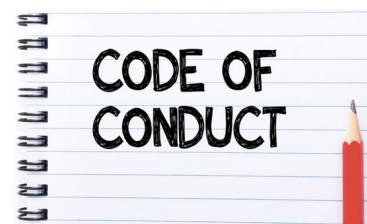
Attendance Policy

Students are strongly encouraged to attend live classes. However, students who do miss a class will be responsible for viewing the recording and completing assignments. Active participation is essential for maintaining the best learning environment. Outside of live sessions, students are expected to log on and visit the class pages to see new content, activities, or assignments. There, students may review class material, keep up-to-date on announcements and assignments, and verify that there have not been any changes to the class calendar and/or agenda.

Class Conduct

Students should conduct themselves in a worthy and appropriate manner, which includes behaving respectfully and politely to each other and the teacher.

Students should strive to stay on task and on topic, to use appropriate language, and to be gracious in speech and conduct toward others. A **live discussion box** is used during class and students who are unable to adhere to this type of conduct may be dismissed from the class for the day. If it continues to occur during a live sessions it will result in parent notification.



Tentative CLASS SCHEDULE

FALL TERM

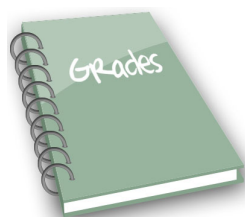
Week 1	Introduction to Biology, Ch. 1
Week 2	Scientific Method, Lab Reports
Week 3	Chemistry of Life Chap 2
Week 4	Biochemistry Chap 3
Week 5	Cell and Cell Membrane Chap 4 Cell
Week 6	Interior and Function Ch. 5
Week 7	Metabolism and Enzymes Ch. 6
Week 8	Photosynthesis and Plants Ch. 7/25
Week 9	Cellular Respiration Ch. 8
Week 10	Review Chap 7-8
Week 11	DNA, RNA, and Proteins Ch. 9 DNA,
Week 12	RNA and Proteins Ch. 9
Week 13	Mitosis Ch 10
Week 14	Meiosis Ch 11
Week 15	DNA Cell Review

SPRING TERM

Week 16	Introduction to Genetics Ch. 12
Week 17	Inheritance Patterns Ch. 13
Week 18	Genetic Variations Ch. 14-15
Week 19	The Origin of Life
Week 20	Evolution and Creation
Week 21	Classification and Viruses Ch. 20
Week 22	Monera Ch. 21
Week 23	Protists Ch. 22
Week 24	Fungi Ch. 23
Week 25	Plantae Ch. 24
Week 26	Plantae Ch. 25 Ecology Ch. 34
Week 27	Mammalia Ch. 26-27
Week 28	Mammalia Ch. 28-29
Week 29	Mammalia and Human Body
Week 30	Human Body and Review

GRADING:

All assignments specified on the class pages and in class, and are to be submitted through the “**Drop Box**” on students’ class web pages **before midnight ET** on the date they are due. They should be submitted as .pdf or .doc (.docx). **Assignment assessments** are used to grade weekly homework. Some assignments will be submitted and *then self graded* and recorded as completed. **Formal lab write-ups will be graded and cannot be dropped.** There will be 2 excused **weekly assignments** each semester. There will **not** be a lowest grade dropped in each category, but **extra credit** will be offered throughout the year.



Grading Scale :

A+: 97.5 – 100	C+: 77.5 - 79
A: 93.5 - 97.5	C: 73.5 - 77.5
A-: 90 - 93	C-: 70 - 73
B+: 87.5 - 89	D: 60 - 69
B: 83.5 - 87	F: 59 and below
B-: 80 – 83	

Weekly Assignments	25%
Quizzes	20%
Tests	20%
Labs	25%
Participation/Discussion	10%



Make-up/Late Assignment Policy:

Assignments are late if they are submitted to the dropbox in PSL after the due date. **Please take deadlines seriously.** Late work will be a zero. There will be 2 **excused assignments** each semester to help with this. **Communication is the key here before the assignment is due.**

A parent must email me before if you are traveling or have a conflict.

Tips for Student Success

Students who are **fully present, work diligently, actively participate (either via live class attendance or watching recordings promptly and attentively), and consistently communicate** will be the most successful.

Communication

Students who are unable to find something, are unable to remember instructions, are having trouble understanding, or are otherwise having difficulty in the class should take every opportunity to *communicate with the teacher*. Taking advantage of the weekly office hour is an excellent way to get additional help as well as gain extra support and enrichment activities. It is important to ask questions and keep an open line of communication about all class related activities for the best learning experience.



Academic Honor and Integrity

Grading can be a challenge to make sure that answers are not being looked up during tests or quizzes. It may seem like we are not able to do much, but it becomes apparent during homework and then during tests. If answers seem copied or pasted or not their usual answers on homework, a zero may be used as a placeholder until communication happens.



Colleges and universities, and every professional and educational environment, take issues of academic honesty very seriously. Research shows that plagiarism, what most people automatically think of when hearing the phrase “academic honesty,” is most often committed when students are pressed for time, care very little about the assignment, or are unaware of what plagiarism is. Planning, attitude adjustment, and careful instruction may be visited as needed in this class. **It is a matter of integrity.** Being a student of integrity includes submitting your own work in a timely manner, and demonstrating effort and diligence.

Philippians 4:8

Finally, brethren, whatever is true, whatever is honorable, whatever is right, whatever is pure, whatever is lovely, whatever is of good repute, if there is any excellence and if anything worthy of praise, dwell on these things.