

Biology

Periods: 1, 3, 5, 7; Room: A122

Mr. Brady

S: 320-269-6446 x1122

Email: jbrady@montevideoschools.org (best way to contact me during the school day)

Webpage: <https://sites.google.com/a/montevideoschools.org/mr-brady-s-science-page/>

Email is the best way to contact me outside of class. If an assignment is recorded as MI in JMC, then I do require an email stating your name, period, the exact assignment that you are turning in along with a screen shot of the work. Snow day assignments will be posted in classroom and completed in Canvas.

Course Description

Required course- A passing grade for both semesters is required for high school graduation. We will study the nature, excitement and methods of biology. We will also look at the nature and methods of science and how they relate to the world of life. This course will be challenging and require time out of class, but will prepare you to be a well-respected citizen and adult. The class will teach you the microscopic and macroscopic composition of your body and living organisms that we interact with daily.

The topics include:

- | | |
|-----------------------|----------------------------------|
| A. the study of life | E. plants and ecology |
| B. scientific method | F. classification and evolution |
| C. the life of a cell | G. vertebrates and invertebrates |
| D. genetics | H. bacteria and fungi |

We may do more or less, depending on time and class progress. The course topics throughout the year will prepare you for the MCA Science Test.

Course Goals

Students who complete this course will be able to:

1. Use the scientific method to create science scenarios and run the process with it.
2. Describe the flow of energy and matter through biological systems, from cells to ecosystems.
3. Model the flow of genetic information from storage to phenotype.
4. Explain the mechanisms of inheritance.
5. Analyze evolution/natural selection and maintenance of biological diversity.

Required Materials

Chromebook, 3 Ring binder with paper, earphones, colored pencils---NEED ALL THESE IN CLASS DAILY

Major Assignments: Descriptions

Homework and projects are good indicators of topic knowledge. When you are assigned a worksheet (or an online assignment) use class time to work on it and ask if you have questions. ***Some quizzes are NOT announced, although most are. I will usually give 2-3 quizzes each week (M-W-F) to ensure that you are studying your notes and vocabulary.*** Being over prepared will be more beneficial than under prepared. Tests are usually multiple choice, fill in the blank, short answer, essay and consist of approximately 120 points and are challenging and may require **several hours** of studying throughout the chapter. Some chapters will also have lab tests of various styles to make sure you are using lab time effectively. **At the end of each semester I give a comprehensive semester exam**, which is a review of the main semester topics.

I rarely give extra credit and **do not allow late work**, therefore all work must be done and with you on the day it is due, no exceptions. If you miss a day, **you are responsible** to look in the makeup folder (or ask your neighbor) for work and hand in assignments.

If you are gone the day an assignment is due, then **you will be responsible** to hand it to me the day you return. Any work not turned in when it is collected is a zero. **Any test or quiz that is given must be made up within two days of the scheduled day.** I also follow the handbook policy on makeup work for school excuses. *Please let me know BEFORE you are gone for a school event (sports, FFA, speech, etc.) and we will discuss your make up work before you go.* **In most cases, you will need to take any quiz/test BEFORE you are gone.** You will not be given class time to make it up, but rather before or after school or during a study hall. **NO EXCEPTIONS.**

Course Grading

Each quarter grade, made up of worksheets, projects, quizzes and tests, will be based on a **total point percentage**. The semester grade will factor each quarter (**40%**) and a comprehensive semester test (**20%**), and must pass **2/3** to earn the credit for the semester. I grade class assignments and quizzes on a straightforward percentage scale as follows:

MHS Grading Scale

The Montevideo Senior High School grading scale is based on a 4 point system.

A+: 100-97%	B+: 89-87%	C+: 79-77%	D+: 69-67%	
A: 96-93%	B: 86-83%	C: 76-73%	D: 66-63%	F: Less than 59-0%
A-: 92-90%	B-: 82-80%	C-: 72-70%	D-: 62-60%	

Review

Each day at the beginning of the hour, before and right after the bell rings, I will give you a few minutes to look over the learning objectives and review your notes and vocab, unless the time is wasted. The day before each test, we will spend some time reviewing the main topics. I expect you to devote this time to studying and ask any questions that you may have. You should be considerate to others and use the time wisely. If you abuse this time it may be taken away!

Class Requirements

You will be using a variety of technology devices, so make sure you are familiar with them and ask right away if you are having problems. **You need to have your chrome book charged and headphones daily.** At a minimum we will be navigating: Edpuzzle, Wayground, Quizlet, Google Classroom, and Canvas.

Rules and Procedures

****Respect is Required---Manners are Mandatory****

1. Talking out of turn and over people.
2. Stay in your seat.....and do not sit on the tables.
3. Pick up all trash from the floor (whether it is you're trash or not).
4. No beverages or food....this is a science lab!
5. Keep the writing on paper and not the desks.
6. Zero tolerance for cheating or copying others' work.
7. Be in your seat when the bell rings and be prepared to start class (pen, paper, chrome, earbuds, etc.)
8. Your phone should be in the holder for attendance purposes.

Date	Topics/Assigned Readings/Homework	Major Assignments and Deadlines
Sept	Chapter 1---scientific method/Lab Safety	measurement lab
Oct	Chapter 2--chemistry	
Nov	Chapter 7--cells	cell project
Dec	Chapter 8-9--photosynthesis and cellular respiration	process drawings
Dec/Jan	Chapter 10-11.4--cell division (mitosis) and meiosis	mitosis/meiosis books/lab
Feb	Chapter 11--genetics	characteristics lab
Mar	Chapter 12-13--DNA and RNA	DNA/RNA/protein project GATTACA video
Apr	Chapter 14-15--sex linked/biotechnology 0lpl.	biotech articles
May	Chapter 16-18--evolution and natural selection	Biggest Little Farm video
Apr/May	MCA review--	Ed puzzle, wayground

****The instructor reserves the right to make modifications to this information throughout the year/semester.****

I _____(print name) understand the information on this syllabus. If I have any questions, I will contact Mr. Brady directly to clarify. I will also do my best in class and work to my best ability and show HAWK PRIDE at all times.

sign

date