



Reynolds High School

Building Relationships for Academic Success

Accelerated Biology 2023-2024

Instructor: Brigitte Jensen

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Room Number: 213

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Credit: 1.0 Science Credit (0.5 per Semester)

Required Textbooks/Materials: Paper/notebook, pencil, binder, computer

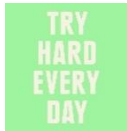
Course Description

This course is an introduction to and survey of Biology. Topics to be covered are outlined on the following page. The objectives of this course is to provide a solid background in the fundamentals of Biology, while simultaneously enhancing students' laboratory, critical thinking, and language skills.

Class Expectations (i.e. POWER):



1. **PREPARED** and **PUNCTUAL**: Come to class every day, on time and ready to learn!
2. **ORGANIZED**: Turn in assignments and homework on time. Get help from me before an assignment is due. Use your planner.
3. **WRITE**: Listen and speak to others, but do your own best work. Copied work will not receive credit.
4. **ENGAGED**: Most of the learning takes place in class, so PARTICIPATE 100%.
5. No electronics (i.e. cell phones, music) can be used in class unless approved by teacher for academic purposes. Student using phones during class may result in the phone being taken and held per district policy.
6. **RESPECT**: Show respect to everyone. Be respectful of your classmates' space and belongings and of my room. Be safe especially during labs. Follow adult directions the 1st time.
 - No food (drinks are okay in a sealed container).
 - Obey all laboratory safety rules and clean up after yourself and others.
 - Our time each day is short, so give me the full time. No packing up early.
 - Bathroom: 10/10 rule – not during first or last 10 minutes of class. Planners are your pass.



Consequences: If you do not meet the expectations of this class, you may run into the following consequences: verbal reminder, time out in the hall, call home, detention, meeting with parent and student, or a referral.

Grading Policy- Overview

Grading Policy: Your grade in this class will be based upon your ability to **perform** skills, **describe** concepts, and **demonstrate** understanding of the **Learning Targets** for each unit.

Learning Targets are based on the State and National standards for this course. Points earned are **weighted** in the following way:

- **Formative Assessments (Classwork/ Homework/Labs)** are worth 25% of your grade. **This** includes classwork, homework, as well as projects.
- **Summative Assessments (Tests/Labs/Finals)** are worth 75% of your grade: unit tests, lab practical, and final exams.

Highly Proficient	Proficient	Not Proficient		
A 90 – 100%	B 80 – 89%	C 70 – 79%	D 60 – 69%	F < 60%

Attendance

1. You will be marked tardy if you are not in your seat when the bell rings.
2. You are responsible for making up work from excused absences. I keep a calendar in schoology showing what we do every day with links to assignments. The assignments are also posted in schoology.

Late Work Policy:

1. Late assignments can be turned in for partial credit (typically 80%).
2. *If you miss class, Check the “month ahead calendar” in Schoology for missed assignments.* Please do not copy assignments from other students. Check in with me if you are unsure of how to do the assignment.
3. Work made up after and absence should be completed within 2 days of the absence. Labs will be put away if you wait too long.
4. Some assignments, usually labs, must be completed before or after school or during lunch.

Course Calendar (*subject to change!)

Unit	Topics
Classification and origins	Origins of life, characteristics of life, and classification of life
Cell Structure	Endosymbiotic theory, prokaryotes vs. eukaryotes, cell organelles
Cell Energy	Photosynthesis and cellular respiration
Cell Transport	Structure of phospholipid bi-layer, passive vs. active transport
Cell Division	DNA structure and replication, mitosis
DNA and Gene Expression	Protein synthesis, genetic engineering
Genetics	Mendelian genetics, Punnett squares, modern genetics, pedigrees
Evolution and Ecology	Natural selection, predator/prey relationships, biodiversity, ecosystem interdependence, evidence for evolution

Students! Please detach and turn in this page for credit. You may keep the front page for your reference.

Parent/Guardians: The best way to contact me is through email. I will reply within 24 hours on a business day, by Monday if you email me Friday.

Parent Contact Information

Please provide the information below so that we can contact you if needed.

1. Student Name (print) _____
2. Student email (print) _____
3. Parent Name (print) _____
4. Parent email (print) _____

Please choose one of the following two options:

I can be reached during normal business hours at this telephone number:
() _____ - _____

I can be reached from _____ (a.m./p.m.) until _____ (a.m./p.m.)
at this number: () _____ - _____

5. Are you available/interested in helping with a field trip as a chaperone?
Yes/no _____

Please turn this page over to sign the Lab Safety Contract

RHS Science Department - Laboratory Safety Agreement

I, _____ agree to abide by the

Student Name

following safety rules whenever working in the science laboratories.

I will:

1. Use the science laboratory for authorized work only.
2. Remove contact lenses and wear safety goggles when instructed.
3. Study the laboratory investigation before coming to class, if possible. (If in doubt about any procedure, I will ask the teacher.)
4. Know how to use safety equipment and the location of the eyewash station, safety shower and fire blanket.
5. In case of fire, alert the teacher and leave the laboratory.
6. Carefully check for the presence of ignition sources (open flames, etc.) before using flammable materials such as alcohol.
7. Report any accident, injury, spill, unsafe procedure or broken glass to the teacher at once.
8. Never taste, touch or smell any substance unless specifically directed by the teacher to do so.
9. Handle chemicals carefully, check the label of every bottle or jar before removing the contents, and never return chemicals to reagent containers.
10. When heating a substance in a test tube, point the mouth of the tube away from all persons.
11. Use proper equipment to handle hot glassware.
12. Tie back long hair, remove dangling jewelry, roll up loose sleeves, and tuck in loose clothing.
13. At the end of the lab, clean the work area, wash and store all materials and equipment, and turn off all water, gas, and electrical appliances.

We have read the laboratory safety agreement, the course syllabus, and acknowledge the content.

(Student Signature)

(Parent Signature)

date

date