

AP Biology

Mr. Heward

Timpanogos High School (Room 222)

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Course Description: This course is designed to help students earn college credit by preparing them for the AP Biology exam. The course will be rigorous and demanding. Students will need to spend many hours studying to learn the required information. Students will have the opportunity to sign up for concurrent enrollment at UVU. The UVU course outline does not directly correlate with the AP course outline; students desiring concurrent enrollment credit will be responsible for learning any additional required information on their own time. Students electing to sign up for concurrent enrollment credit will need to take the UVU final exam.

The class will provide students with a broad survey of biology. A major goal of this course is to help students to use science as a way of acquiring knowledge of the natural world. Classroom activities will include labs, demonstrations, readings, lectures, discussions, presentations, quizzes and tests. Our study will be divided into six major units:

1. Cell Biology
2. Genetics and Molecular Biology
3. Evolution
4. Biodiversity
5. Anatomy and Physiology
6. Ecology

Supplies: Each student will need a 1" or 1.5" 3-ring binder. Students should keep **ALL** of their notes, assignments, labs, and quizzes/exams in the binder. The binder will be an invaluable tool when studying for exams. Students should come to each class with their binders, paper and a pen or pencil. Each student will be able to check out a textbook from the library for use during the school year:

Campbell, N. A., & Reece, J. B. (2005). *Biology (AP 7th ed.)*. San Francisco: Pearson Benjamin Cummings.

Expectations:

Students are expected to be their BEST.

- Be Prepared
- Engage in Learning
- Show Respect
- Take Responsibility

Interventions:

- Students will be warned and/or moved
- Student-Teacher Conference
- Parents/Guardians will be contacted
- Students may be referred to an administrator

-Cheating will not be tolerated and will result in a loss of credit for the assignment. Repeat offenses may result in a failing grade or being transferred from the class.

-Lab safety is critical. Students engaging in horseplay or other inappropriate behaviors during lab time will be required to complete an alternate assignment.

-No food or drink will be allowed in class.

-Cell phones and other nuisance items should not be brought to class. These items will be confiscated if they are seen or heard (see electronics policy below).

Electronics Policy: Student use of electronic devices (i.e., cell phones, MP3 players, headphones

or ear buds) is prohibited during class time, except at the specific request of the teacher for instructional purposes (e.g., calendaring). Students are strongly encouraged to leave electronic devices at home. If a student chooses to bring electronic devices to school, they must remain out of sight and in silent mode, or turned off during the entire class period, including Channel One. Students may, however, choose to access their electronic devices before school, during class changes, lunch, or after school.

Violation of the electronics policy will include the immediate confiscation of the interfering device. The device will be given to the principal or his designee, and a parent or guardian will be expected to retrieve the electronic device in person on the first, and each additional violation of the policy.

Attendance: The Timpanogos High School Attendance Policy will be followed (please refer to the student handbook). It is important that students attend class regularly and consistently. Students will be allowed to make up assignments and tests missed for excused absences. Some classroom activities will be impossible to repeat or duplicate outside of class time and an alternate assignment may be given.

Labs: There will be lab activities throughout the year. Labs will correlate with things we are learning in class but unfortunately the timing of the lab and the class discussion will not always coincide. There will be reading and homework assignments associated with the labs.

Assignments/Participation: The primary assignment for this class will be to keep up on the assigned reading. Most other assignments will be started in class. If a student is not able to finish during class time the assignment should be completed as homework. Students will be given participation points each day. Failure to come to class prepared or follow classroom policies will result in a loss of participation points.

Late Work: Assignments can be turned in late but will be docked up to 30% (10% per school day that they are late). The cutoff date for late assignments is two weeks after the original due date. There will be no penalty for assignments that are late because of an excused absence. No late work will be accepted during the week prior to the last day of the term.

Exams and Quizzes: There will be an online reading quiz with each chapter in the textbook. The reading quizzes are open book but not open neighbor. The reading quiz will only be available before the class period where the chapter topic is covered. We will cover approximately 15 chapters per term so you will have 15 reading quizzes per term. Only 12 quizzes will count on your grade so you can miss 3 per term. If you take all 15 quizzes your lowest three scores will be dropped. In addition to the reading quizzes there will be periodic pop quizzes given in class.

There will be two exams per term. All exams will be comprehensive. One exam per semester may be retaken within two weeks of the original exam date. Up to half of the points missed can be earned back by retaking an exam (the first and second score will be averaged). Students that are absent on the day of an exam will need to make up the exam before or after school within one week of returning to school. It is anticipated that all students will take the AP exam. Students not taking the AP exam will be given an alternate comprehensive exam.

Extra Credit: Occasionally there will be bonus questions on exams, quizzes and assignments. No other extra credit will be given or accepted.

Grades: All assignments and tests will be graded and posted on PowerSchool within one week of turning them in. Please keep all returned assignments and compare them with recorded scores. Term grades will reflect student performance in the following weighted categories:

Assignments/Participation.....20%
Labs.....30%
Exams and Quizzes.....50%

Grades will be calculated from the weighted scores using the grading scale.
Grading Scale:

A = 93-100%
A- = 90-92%
B+ = 87-89%
B = 83-86%
B- = 80-82%
C+ = 77-79%

C = 73-76%
C- = 70-72%
D+ = 67-69%
D = 63-66%
D- = 60-62%
F = below 60%

Please detach and return

Disclosure Document

I have read and understand the policies outlined in Mr. Heward's disclosure document.

Student's Name (please print) _____

Period _____

Student's Signature _____

Parent's Name (please print) _____

Parent Contact Information

Parent's Signature _____

Phone: _____

Email: _____

Lab Safety Rules

1. Wear safety goggles at all times when in the lab.
2. Perform only those laboratory experiments and activities for which you have received permission.
3. Read lab procedures and directions before beginning the lab.
4. Do not chew gum while doing experiments.
5. Tie your long hair back during all labs that involve using a Bunsen burner.
6. Never leave an operating Bunsen burner unattended.
7. Do not carry chemical reagent bottles without their stoppers on.
8. When heating a test tube, do not look down the tube or point it in the direction of another person.
9. Always test the odor of chemicals by wafting your hand over the container and sniffing cautiously.
10. Never taste chemicals or drink from lab glassware unless special glassware was used for the lab. Eating and drinking are forbidden except for special labs.
11. Never pour reagents back into stock bottles, and do not exchange stoppers on stock bottles.
12. Do not put matches in the sink.
13. Put all waste materials in containers provided.
14. Be familiar with the locations of the fire extinguishers, fire blanket, and eyewash, and be able to operate them.
15. Immediately report any injury that occurs.
16. Clean your area, and return all materials to their proper location before leaving the lab.
17. Wash your hands with soap after finishing an experiment.

Please detach and return

Contract

I, _____, will follow the lab safety rules and practice safety in the lab. If I do not follow the rules, I will face the consequences and possibly be removed from the lab or completely lose lab privileges.

Signature

Date

Parent Signature

Date

Please list any allergies that your student has (e.g. peanuts, bee venom).

Allergies:

Alpine School District Foundation

Yes, I would like to make a difference in the life of a child by contributing \$_____ to the Alpine School District Foundation.

I would like my gift used for the following purpose(s);

Timpanogos High School, Mr. Heward's classroom

I would like information about how estate planning can help reduce my taxes and enable me to make a major contribution to the Alpine School District Foundation.

All Donations are Tax Deductable and will be promptly receipted.

Name _____

Address _____ City _____ State ____ zip _____

Make all checks payable to the Alpine Foundation. Thanks for your support of students.

Please call 756-8425 for additional information

Mail to: Alpine School District Foundation-575 North 100 East- American Fork UT 84003