

Advanced Biology

Syllabus for Coach Barton

Chisholm Trail High School

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Planning Period: 6th

Text Book: HMH Biology 2014 edition (The one with the sharks on the cover). You will receive an online access code early in the semester. This will be your home access for our book. If you need a hard copy of the text at home, you may check one out from the AP's office.

Intro: Welcome to Biology! This syllabus will outline my basic grading and classroom policies. Success in this class will require class-work, lab participation, daily assignments, co-operative learning, and yes . . . a little homework. I believe that science can and will be fun, interesting, and informative so long as you continue to be actively involved, are serious about your time here, and take responsibility for your own learning.

Critical Content: Upon leaving this class you will be able to use and apply the scientific method, interpret and evaluate data to reach conclusions, read and write scientific material, and have an in depth understanding of biological processes.

1 st 6 Weeks	2 nd 6 Weeks	3 rd 6 Weeks	4 th 6 Weeks	5 th 6 Weeks	6 th 6 Weeks
Aug.15 – Sept.23	Sept.26 –Nov. 4	Nov. 7 – Dec. 16	Jan. 3 – Feb. 10	Feb. 13 – Apr. 7	Apr. 10 – May26
Biomolecules	Transport and Homeostasis	Cell Differentiation	Cell Respiration / Photosynthesis	Taxonomy	STAAR Review
Enzymes	DNA / DNA Replication	Genetics	Plant Transport / Transpiration	Kingdoms	STAAR Test – May 2nd
Characteristics of Life	Cell Cycle / Mitosis / Cancer	Body Systems Interactions	Plant Reproduction	Ecology – Symbiosis / Adaptations	Biology Enrichment Activities
Prokaryotic / Eukaryotic Cells	Protein Synthesis / Mutations	Homeostasis	Plant Reproduction	Ecological Succession	
Viruses	Meiosis		Evolution	Ecology – Food Webs / Food Chains	
			Natural Selection	Ecology – Biogeochemical Cycles	

My Expectations:

- Attend class prepared to work.
- Follow all school policies.
- **Participate** in class discussions.
- Students will respect themselves, others, and school property.
- Students will be in their **assigned** seats and prepared for class **when class is scheduled to begin**.
- Students will be **dismissed** from class by the teacher, and only when work areas are clean.

Attendance: One of the most important aspects of success in this class, as with any, is attendance. You have been in school long enough to know that it is your responsibility to make-up missed work and get work beforehand if you know days will be missed. Missing class time will have an impact on your success in this course. It is very difficult to make up labs and class activities which make up the bulk of our class time.

It is my responsibility to help you be successful by informing you of what is expected and what you need to do to earn the grade you want . . . the rest is up to you.

Grading and CTHS Expectations for Students

Grades Numeric Equivalent Description

A 90 – 100 Excellent (Mastery)

B 80 – 89 Good (Mastery)

C 75 – 79 Average (Not yet mastered)

D 70 – 74 Poor (Not yet mastered)

Grade Based On:

Major Grades 60% (minimum of 3 per six weeks)

Summative Assessments – measurements of mastery learning

- Tests (Material will come from the lecture notes, textbook, class activities and labs)
- Projects
- Research Papers
- Presentations

Minor Grades 40% (multiple opportunities prior to each summative)

Formative Assignments – check points leading to mastery

- Daily Warm Ups
- Classwork
- Quizzes
- Homework

No one single assignment will weigh more than 15% of your final average for the grading period

Semester Exams will count as 1/7th of your semester grade

(You may be able to earn exemption from semester exams based on Semester Average, Attendance, and Compliance with CTHS student policies (as evidenced by lack of discipline referrals and textbook/library fines).

Late Work:

The district policy for late work is:

For on-level classes:

- One day late – maximum score is 85
- Two days late – maximum score is 70
- Three days late – maximum score is 60

For Advanced classes:

- One day late – maximum score is 80
- Two days late – maximum score is 65
- Three days late – maximum score is 55

After three days, work will not be accepted for credit.

Being prepared for class: *Materials needed*

- **A composition notebook**
- Bring your Notebook EVERY Day – I will provide a central location in our classroom to keep your notebook in the event you are prone to forgetting it
- A pen or pencil
- I will provide a moderate amount of glue, tape, colored pencils, markers, and highlighters but encourage you to have your own available for daily use

Procedures for Entering Class Each Day:

1. Enter the room through the front door (closest to my desk)
2. Look at the board for alternative instructions
3. Retrieve your notebook (from your backpack or the cabinet for your class period)
4. Take your assigned seat
5. Begin the daily warm up when the timer begins or question is revealed

Behavior Policy: In order to be successful in Biology, you must conduct yourself as a respectful adult – per our classroom rules:

1. ***Be On Time & Prepared to Work***
2. ***Follow Directions the 1st time they are given***
3. ***Food or Drinks will be permitted in non-lab areas***
 - a. ***Must be consumed without disrupting the learning environment***
 - b. ***For personal nourishment (no sharing)***
 - c. ***Select “quiet” foods***
4. ***Electronic Devices may be utilized per teacher direction on occasion*** * Electronic Device Policy as per District

Your choice not to follow these rules will result in the following consequences:

- | | |
|-----------------------|--|
| 1st | Verbal Warning |
| 2nd | Teacher Conference - After class / Parent contact |
| 3rd | Lunch Detention / Parent Contact |
| 4th | Referral to AP |

- Your parents may be contacted at any or all of these instances, at my discretion

A Few Highlighted Rules for Coach Barton's Classroom

Lab safety is essential! Listen to all instructions and use the safety equipment provided. Goofing around during a lab will result in a zero on that assignment!

Be respectful of your classmates and instructors. Guest speakers and substitutes are to be treated as special guests. Disrespect for either will not be tolerated!

No hall/bathroom pass will be granted 10 minutes from the start or finish of the class. Take care of getting drinks, using the restroom, etc. before class.

Cheating:

Cheating hurts everyone. Claiming someone else's work as your own will not be tolerated. It is expected that all work turned in by you is completely your own. This includes copying assignments when you are absent. Your first offense will result in a zero on that assignment and a referral to your favorite AP!

Please Note: If anyone in this class has a unique problem that would impair her/his full demonstration of abilities on any of the exams or other assignments, please see me so we can work out alternative methods testing/grading.

Advanced Biology Additional Statement of Expectations

Eagle Mountain Saginaw ISD is committed to providing the best educational opportunities possible for all students. Honors, Advanced, and AP classes prepare students for future academic and professional success.

Please read and sign the following statement of expectations:

I understand that I am a student with great promise and potential with the ability to be successful in Honors and Advanced classes; therefore, with this understanding, I am willing to make the commitment of time and effort required by Honors and Advanced classes. I understand the following about these classes:

- Honors and Advanced classes are to prepare students for success in future college AP classes as well as success in future roles in the workplace.
- These classes will follow a more fast-paced and higher-level curriculum, which requires increased commitment of the student's time and effort.
- Students participating in these classes should expect additional work, such as extra homework, outside projects, and more independent study.
- Students will participate in tutorials/study sessions as needed.

I am willing to make the commitment of time and effort required by Honors and Advanced classes.

I have received a copy of Coach Barton's Syllabus, Class Policies, and Advanced Expectations.

Name _____

Student's Signature _____ Date _____

Parent's Signature _____ Date _____

Parent(s) e-mail address _____

Parent(s) best contact phone number _____