

## Student, Parent, and Teacher Agreement For a Successful School Year

**Please return this signed sheet no later than Friday, September 1st.**

Student's name \_\_\_\_\_

Parents' or Guardians' names \_\_\_\_\_

Parents' or Guardians' telephone number(s) \_\_\_\_\_

Parents' or Guardians' email address(es) \_\_\_\_\_

**\*\*We are always looking for people who are interested in speaking on current topics in human biology (medicine, public health, research, volunteer work, etc.). Please indicate below if you would be interested in being a guest speaker. Don't let your child talk you out of sharing your experience and knowledge with us!**

Possible speaker name and topic:

We are in need of a few items if you are willing and can help. Thank you so much for your generosity! We have a classroom Amazon Wishlist (<https://amzn.com/w/31ULLHL3K2UBH>), but if you would rather purchase another item that is cheaper, a different brand, or not offered on Amazon, please feel free! We are so grateful for your willingness to support public education. You are helping to make the learning experience in our classroom safer, cleaner, and richer!

- tissues
- sponges
- liquid soap refills (non-antibacterial please)
- rubbing alcohol

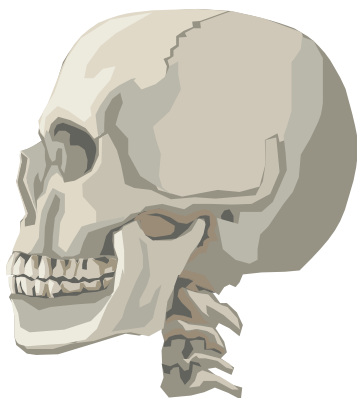
I have read and understand the attached information including the **procedures and expectations, laboratory safety rules, and ECHHS Honor Code**. I understand that following these rules is imperative for the honor and safety of all students. I also understand that if these safety rules are not followed, laboratory privileges will be revoked. If the ECHHS Honor Code is not followed, I will be referred to my administrator and SAIL.

\_\_\_\_\_  
Student's Signature

\_\_\_\_\_  
Parent's or Guardian's Signature

Biology II  
Biology of the Human

“What a piece of work is man.” (William Shakespeare)



This course will explore the many ways that human beings are unique as well as the many ways that we are similar to other living organisms. Humankind will be studied as a product of an evolutionary process, as part of the biosphere, as a product of a cultural heritage, and as highly organized living organisms that grow and reproduce.

Biology II is the equivalent of a one semester college course in human biology and receives honors credit. As well as focusing on understanding the anatomy, physiology, genetics, ecology, and behavior of humans, we will be continuing to learn to THINK scientifically - a goal of the science department at ECHHS.

ORGANIZATION:

First Semester:

- I. Human Organization
  - a. chemistry of life
  - b. cell structure and function
  - c. human organization
  
- II. Human Genetics
  - a. chromosomal inheritance
  - b. genes and medical genetics
  - c. DNA and biotechnology
  - d. Cancer
  
- III. Human Evolution and Ecology
  - a. Evolution
  - b. Ecosystems
  - c. Population Concerns
  
- IV. Disease
  - a. infectious
  - b. genetic
  - c. environmental
  - d. aging

Second Semester:

- V. Maintenance of the Body
  - a. digestive system and nutrition
  - b. cardiovascular system
  - c. composition and function of blood
  - d. lymphatic system and immunity
  - e. respiratory system
  - f. urinary system and excretion
  
- VI. Movement and Support
  - a. skeletal system
  - b. muscular system
  - c. senses
  
- VII. Integration and Coordination in Humans
  - a. nervous system
  - b. sensory system
  - c. endocrine system
  
- VIII. Human Reproduction
  - a. reproductive system
  - b. development and aging

**2017-2018**  
**Honors Biology II**  
**Ms. Allen's Classroom Policies and Procedures**

**EXPECTATIONS:**

1. Respect yourself, your classmates, your teacher, and your surroundings.
2. Come to class prepared to participate and learn.
3. Clean-up after yourself.
4. Have fun learning.

**ASSIGNMENTS:**

1. Work must be turned in on time for full credit. Reasonable due dates will be set for each assignment. There will be a 10% reduction off of the total possible grade for each day an assignment is late (ex. a lab report 3 days late will lose 30%).
2. Work will only be accepted in standard blue or black ink, pencil, or typed. In addition, please make sure that papers are neat, legible, and do not have spiral notebook scraps attached to them. 0.5 points will be deducted for not following these instructions.
3. It is in your own best interest to keep all assignments.

**TESTS and QUIZZES:**

1. There will be a variety of tests/quizzes covering reading, lectures, labs, and other activities. Focus will be on your understanding of concepts and ability to apply concepts to new situations.
2. Please give at least seventy-two hours notice before a test if you have any conflicts (ie. more than three tests assigned on that same day, field trips, school athletics, etc.).
3. I will not discuss material on the day of the test or quiz, so prepare ahead of time.

**READING/BOOK CLUBS:**

You will have regular reading assignments from your text. It is extremely important to keep up with the reading, as it will help you prepare for tests/quizzes as well as it is good practice for your future college experiences. In addition, you will be reading a "popular science" book with a small group of your classmates. This book will be the topic for discussion, analysis, and a project. More to come on book club!

**PROJECTS:**

There will be many small projects that involve working individually or in various sized groups. It is expected that you will learn to organize, cooperate, and collaborate within groups. There will also be some larger projects: first semester you will write a paper on some issue in epidemiology, and second semester you will do an exhibition project in which you extensively research some human disease or disorder and you present what you have learned through a research paper and an exhibition (book, video, slide show, demonstration, or poster).

**LAB REPORTS:**

For some labs you will follow specific procedures, collect data, and analyze your data. Other labs will be more open ended - you will develop your own hypotheses and plan your own procedure. Some labs will require a formal write-up, others will be partially formal, and others will be informal. Labs will be graded on your understanding of concepts and your analyses of scientific processes.

**TARDIES:**

1. If you are tardy, please sign in on the tardy clipboard (even if it is excused), clip your pass to the board, and proceed quietly to your seat so as not to disturb your fellow students.
2. If you acquire three unexcused tardies, you will be given a lunch detention. After three unexcused tardies, you will be referred to your assistant principal. Frequent tardies disrupt the class and prevent us from getting the most out of our time in Biology II. Do not be tardy.

**DAYS ABSENT/MAKE-UP WORK:**

1. Please look on the calendar on my website or ask a classmate for your missed work. Handouts will be posted on the announcements page of my website as an attachment.

2. If work was due the day you were absent, it must be turned in upon returning. Make-up work will be accepted no later than a week after the day it was due. It is your responsibility to turn in make-up work.
3. Tests/quizzes must be made-up within a week. If arrangements are not made to take the test/quiz within a week, the grade will be recorded as a zero. If special circumstances such as an extended absence or an overload of make-up work exist, please inform me prior to the one-week limit.
4. Be proactive! If you know you will be absent in advance (college visit, doctor's appointment, field trip, etc.), communicate with Ms. Allen to come up with a plan so that you don't fall behind.

### **FOOD IN THE CLASSROOM:**

Food and drinks are not allowed in the science classroom for safety and hygiene reasons. If you have a medical reason that requires you to eat or drink during class, please speak to me privately, and we will make arrangements.

### **BATHROOM:**

1. Each quarter, you will be given one opportunity to go to the bathroom. Ask for a pass at an appropriate time.
2. If you do not use these during the quarter, you will be given 2 pts for each bathroom visit not taken.
3. Feel free to use the water fountains outside of our classroom when necessary; however, do not let it interfere with anyone's learning. Water fountain privileges may be revoked if deemed necessary. Do not use the water fountain as an excuse for not being in your seat when the bell rings.
4. If you have a medical condition that requires more frequent bathroom visits, simply bring a doctor's note, and other arrangements will be made.

### **FIELD TRIPS:** (these are some possibilities)

- North Carolina Zoo or Duke Lemur Center – primate study
- Possible others (fingers crossed)

### **CELL PHONES AND ELECTRONIC DEVICES:**

There is a place and a time for all things. Biology II class is not the place for cell phones or iPods, and it is important to use good cell phone and electronics etiquette. Before entering class, turn off and put away cell phones, iPods, iPhones, and all other similar devices. The only electronic device that you should be using in this class is your calculator (not for games, though), unless I specifically indicate otherwise. If I see you using one of the previously mentioned items, I will ask you to give it to me, and I will return it at the end of the period. If you do not comply willingly, I will give it to administration and your parents may pick it up.

### **SCHOLASTIC INTEGRITY:**

It is essential that turn-in work (tests, quizzes, lab reports, homework, projects, etc.) is an accurate representation of the knowledge and skills you possess. Feel free to collaborate while studying, discussing, and performing experiments, however all turn-in assignments must be your own work. ***Cheating will not be tolerated and will be documented and reported.***

### **CONTACT INFO:**

Telephone: 919-969-2482 ext 27252  
 Email: kallen@chccs.k12.nc.us  
 Webpage: <http://www.allenbiochem.com>

### **GRADING:**

Grades will be determined using a point system. At times, extra credit will be offered to all students but not on an individual basis. Your grade will include many types of assignments and the point values will vary somewhat (see the information below to get an idea of the point values for the different types of assignments).

Lab Reports/Activities	~20-60 pts each
Quizzes/Tests	~15-75 pts each
Papers	vary tremendously
Projects	vary tremendously

I am available Tuesdays and Thursdays at lunch for extra help. I am happy to help you at other times if you make an appointment with me. Most importantly, YOU must take charge of your learning. I look forward to exploring the world of Biology II with you this year!



## Safety in the Laboratory Biology II



The Biology II laboratory can be a fantastic experience; however, it can also be a dangerous place. The following rules are designed to protect you and keep you learning in the laboratory. These rules must be followed in order for you to participate. Please read the following carefully with your parent(s) or guardian(s):

1. Carefully read instructions before performing any lab and be sure to follow directions.
2. Always move deliberately about the classroom with safety in mind.
3. Perform laboratory work only when your teacher is present.
4. Report all accidents to your teacher no matter how small.
5. Know where the eye wash, chemical shower, fire blanket, and fire extinguisher are located. Know how to use them *only in case of an emergency*.
6. Wear safety goggles when requested by the teacher. Confine long hair and loose clothing. Wear shoes instead of sandals.
7. Never leave a Bunsen burner or hot plate unattended.
8. Be extremely careful when handling hot glassware or ceramics.
9. View test tube contents from the side. Never look down into the test tube. Point the open end of test tubes away from yourself and others.
10. To smell the contents of a container, use a "wafting" action of the hand as demonstrated by your teacher.
11. Do not eat or drink during laboratory activities.
12. In case of a minor heat burn or chemical burn, place under cold, running water.
13. If chemicals get in eyes, go immediately to the eye wash and rinse for 10-15 minutes. Of course, have someone notify the teacher immediately.
14. Keep lab tables clear of back packs, books, clothes, etc.
15. Before leaving the laboratory, be sure to clean your station and return all equipment to their designated locations. Follow your teacher's instructions for discarding chemicals.
16. Treat any live animals used for experiments with care and compassion.
17. Wash your hands thoroughly at the end of the laboratory period.
18. If you do not know what to do in a certain situation, ask.



## ECHHS Honor Code



Cheating is the act of gaining an unfair advantage, or misrepresenting one's knowledge. It includes, but is not limited to:

1. Wrongfully using or taking the ideas or work of another. For example: giving unauthorized aid or receiving unauthorized aid from another person on assignments, papers, quizzes, tests or examinations, or plagiarizing.
2. Getting advance information about quizzes, test or examinations.
3. Using or consulting unauthorized materials or using unauthorized devices on papers, quizzes, tests, or examinations.
4. Using any portion of a paper or project to fulfill the requirements of more than one course, unless the student has received prior permission to do so.
5. Intentionally misrepresenting the need for extra time on any assignments, papers, quizzes, tests or examinations, in order to gain more information.
6. Choosing to be absent on the due date of a paper, project, quiz or test.
7. Lying about any of the above.

**ECHHS Honor Pledge: "I pledge that I have neither given nor received unauthorized help on this assignment; I am aware of the consequences for doing so, and I will act upon violations of the Honor Code."**