



Anatomy & Physiology

SY 2019-2020

Instructor: Ms. Jamie Ford

Email: jamie.ford@houstonisd.org

Website: <http://www.houstonisd.org/Page/92797>

Introduction:

Welcome to my classroom! This will be my eighth year teaching at Carnegie Vanguard High School. I hold a Bachelor of Science from Tarleton State University with a degree in Animal Science and a Biology minor. I will work hard to foster the life skills of asking questions, finding alternative avenues to solve problems, never giving up, and academic independence as we master content.

Course Description

Anatomy & Physiology serves as a fourth year science course that introduces students to the intricacies of the human body in health and disease. This introduction course allows for the application of basic science concepts and facilitates the development and enhancement of problem-solving and critical-thinking skills.

A & P provides a hands-on, laboratory-based class where you will study major systems of the body, health, nutrition, disease, and explore career opportunities in health care. As part of this course, you will be responsible for creating and teaching a two day lesson plan for your assigned body system to the class. Essentially, you become the expert in at least one body system. You will also complete several smaller individual projects related to the anatomy and physiology throughout the year.

Course Objectives

At the end of the course, you will be able to:

- describe and apply anatomical terminology;
- distinguish and describe major tissue types;
- describe the structure and function of the major organ systems and their interaction with each other; and
- define homeostasis and describe specific examples for each of the major organ systems.

Supplies

- Writing materials - #2 Pencils with eraser, Pens (any color)
- USB flash drive (to be used in all classes)
- 1 small bottle of liquid hand soap
- 1 small container of Clorox wipes
- Medical gloves – keep in your locker
- *Stiff: The Curious Lives of Human Cadavers* by Mary Roach ISBN: 978-0393324822

Classroom Expectations

- ☺ Be respectful.
- ☺ Be on time and on task.
- ☺ Be prepared.
- ☺ Be responsible.

Consequences

- ☹ Verbal warning.
- ☹ Student-Teacher conference.
- ☹ Lunch detention.
- ☹ Email or phone call to parent.
- ☹ Referral to the office.

Grading Policy

- | | |
|---------------------|-----|
| • Tests / Projects | 40% |
| • Quizzes | 25% |
| • Labs / Activities | 25% |
| • Other | 10% |

Topic Outline

The following is the outline for the Anatomy & Physiology curriculum:

Units	Topics
UNIT 1	ORGANIZATION OF THE HUMAN BODY a) Overview of Human Anatomy and Physiology b) Orientation & Terminology c) Cells and Tissues
UNIT 2	SUPPORT & MOVEMENT a) Integumentary System b) Skeletal System c) Muscular System
UNIT 3	INTEGRATION & CONTROL a) Nervous System b) Endocrine System c) Special Senses
UNIT 4	REGULATION & MAINTENANCE a) Respiratory System b) Cardiovascular/Blood System c) Lymphatic/Immune System d) Digestive System/Metabolism & Nutrition e) Urinary System
UNIT 5	CARRYING ON a) Reproductive System
UNIT 6	FORENSICS

Note: Schedule is approximate and subject to change.

Student Responsibilities and Classroom Procedures (Class Culture)

- A&P is an elective, meaning you **CHOSE** to take this course. I expect a high level of interest and participation as I assume you are genuinely here to learn about the human body and its capabilities.
- Come to class on time, prepared and ready to work. **You must be signed in to be counted on time.** If you are delayed elsewhere within campus, you will need to secure a legible written pass to be admitted. The pass is only for admittance purposes.
- Attend to your personal needs *before* coming to class. You will be allowed to leave class only in an emergency. An emergency in A&P is defined as: hemorrhaging, severe hypohydration, or emesis.
- This class is heavily based on technology and online activities. You are expected to stay on task all the time and follow your signed technology contract.
- **Academic Integrity:** Cheating, copying, and plagiarizing will not be tolerated in this course. Any student displaying academic dishonesty will be reported and referred to the Assistant Principal. The student will receive grade of “0” on the assignment and there will *not* be an opportunity to make up the assignment. This includes exams and quizzes.
- Safety first! We want to keep you safe during any lab activity therefore it is important that you observe safety rules. Violations of safety rules will result in a maximum grade of 70. Depending on the severity of the offense, you may be timed out from the activity and given a grade of “0” for that particular activity.
- Always write your first and last name, full date, and class period in order to get credit for any and all work that you turn in.
- Write neatly and legibly. I will grade only what I can read!

Absences

If you are absent, it is **your responsibility** to promptly gather the assignments that you missed. I will not remind you of missed assignments. If you miss a quiz or test, **YOU** must schedule a make-up during lunch, but keep in mind that the format of the re-test is at the teacher's discretion. It is your responsibility to reschedule your missed test in a timely manner. Any assignments not made up from an absence will result in a zero.

- **You** must make an appointment to take your missed tests and quizzes during the beginning of lunch.
- You will get a zero if you are tardy or fail to come in during your scheduled make-up day.
- The format for make-up tests or quizzes is at my discretion.

Assignment Calendar

A calendar outlining the entire semester will be taped to the class whiteboard. Every test, quiz, project, homework assignment, lab, activity, and field trip will be posted on this calendar. You will know at the beginning of the semester all assignment deadlines and schedules for the organ systems. You are expected to look at this regularly!

Assignment Deadlines and Make-Up

- ***Late work will be not be accepted in this course.***
- There is no make-up for missing or incomplete work due to being off task.
- There is no make-up for long-term assignments or for group work.
- If you are absent the day it is assigned, you have 3 days for every *excused* absence day to make it up.
- Unexcused absences will have the same deadline as regular work. i.e. you will have the same number of days to submit as the class was given (example: if class was given 2 days to complete, you will have 2 days to complete from the day you receive the assignment).
- If you are absent on the day that it is due but have the assignment, the assignment is due the day you return to school.
- If you are on campus the day an assignment is due you are required to turn your work in, even if you miss your A&P period. It is your responsibility to turn in your work even if you leave early or arrive late.
- Deadlines are not negotiable.

Tutorials

If you are having difficulties in class or need clarification, please schedule an appointment to meet with me.

Extra Credit

I do not offer extra credit. Please see Assignment Resubmission below if you are interested in improving your grade.

Assignment Resubmission

Resubmissions are permitted at my discretion. Any assignments allowed resubmission will provide students an opportunity to recover half of the credit lost. The following are general guidelines for resubmissions and are subject to additional requirements:

- Original assignment must have been turned in on time.
- You must show all work and explain how you came to the new answer/conclusion.
- Resubmissions will not be accepted the last week of the cycle.

This page is to be completed and returned to Ms. Ford by **Thursday, Aug. 29th.**

Parents and Students: To receive alerts and reminders via text, text “@CVHSAandP” to 81010. You can opt-out of messages at any time by replying, 'unsubscribe@cvhsaandp'.

Role of the Parents:

Parents fill a very important role in their child’s education. They serve as an important enrichment and evaluation resource. Parents are encouraged to check Gradespeed for current scores. Please contact me at any time to gain information about your student’s progress. Email is the preferred method of contact. My email address: jamie.ford@houstonisd.org.

Thank you,
Jamie Ford

STUDENTS: I have carefully read and I understand the rules, procedures, and expectations for my Anatomy & Physiology class as outlined in the online course syllabus. I will honor them at all times.

Student Name

Student Signature

Date

PARENTS: I have carefully read and discussed the course syllabus with my child. I understand and support it.

Parent Name

Parent Signature

Date

Parent’s Daytime phone number

Parent’s E-Mail address (please *print*)

Parents:

- Are you willing to help chaperone field trips? _____ If yes, what is the best way to contact you?

- *Would you like to be a speaker in our class (or know anyone in the field that would be a great speaker)? If so, please email me to set up a date on the calendar!*