COMPARATIVE ANATOMY & PHYSIOLOGY STUDENT INFORMATION
Mrs. Anderson
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COURSE DESCRIPTION: This is a junior/senior science elective that will include human anatomy and physiology, as well as comparative physiology via the dissection of a rat. Other animal organs such as the kidney, brain, eye and heart will also be dissected to show the relationship to human anatomy/physiology. Dissection is a requirement for all students. Notes and assignments will be updated on a weekly basis and can be found on my website www.afhsandersonscience.weebly.com.

REQUIRED MATERIALS
1. A 3-ring binder or file folder will work best for this class. There will be numerous handouts given and being able to keep them in order will be helpful.
2. Pens, and/or a pencil to take notes, complete quizzes, etc.
3. Colored pencils (a 12 count minimum).
4. A container of Lysol wipes (to wipe down your tables after dissecting).
5. A bottle of antibacterial hand soap (to wash hands after dissecting).
6. A box of Kleenex.

CHROMEBOOKS
It is expected that students bring their Chromebook to class every day. Students should charge their Chromebook each night so it can last throughout the following day.

ELECTRONIC DEVICE POLICY
Under no circumstances should a cell phone, Chromebook, or other electronic device (including headphones and earbuds) be out during classroom instruction unless specifically indicated by the teacher.

Electronic Device Consequences
Failure to abide by the above electronic device policy will result in the following:
   First offense: Verbal warning
   Second offense: Parent notification
   Third offense: Principal referral

GRADING SCALE
I do not give you grades....you earn them. Grades are available by logging onto your progress book account. I usually update grades on a weekly basis. Your grade for this course will be figured as an average of the total points from quizzes, tests, homework, labs, projects and/or reports. Letter grades will be assigned as follows:

   A 90% - 100%
   B 80% - 89%
   C 70% - 79%
   D 60% - 69%
   F Below 60%
ASSIGNMENT TYPES

Quizzes
- May or may not be announced ahead of time. Usually worth 10-20 points

Tests
- Given at the end of a unit and announced at least two days in advance. If you are absent only on a review day (the day before an exam) you are still expected to take the exam with the class.
- Tests are always worth 100 points
- MIDTERM EXAM - will be given at the conclusion of the second 9 weeks
- FINAL EXAM - will be given the last day you are scheduled to be in class...it will be comprehensive.

Labs
- Labs may be performed with a partner but lab write-ups and conclusion questions will be completed individually.

Homework
- May or may not be collected and graded. Typically, homework is assigned to reinforce concepts that were taught in class. It is to your benefit to complete homework assignments.

Classwork
- To be completed during class, on an individual basis (no working with others).

Projects
- There will be a project both the first semester and second semester.

Extra Credit
- Teachers are not required or expected to give extra credit. Any extra credit offered must be directly related to the curriculum. Extra credit will not be given for non-content related purposes, including, but not limited to giving extra credit for supplies, tissues, etc.

MAKE UP AND LATE WORK
In the event of absence, it is your responsibility to make up or secure all assignments within two days of an excused absence. You will never be asked for an incomplete assignment. Check the MAKE UP FOLDER for details of the class assignments. It is your responsibility to check the folder. After two days, if arrangements have not been made, the score will be a zero.

TRUANCY
Truancy from class, may result in an academic consequence in addition to an automatic truancy referral sent to the student’s grade level principal. If you are found to be truant from class, any grades from that day will automatically become a zero and you will not be given the opportunity to make up the assignment.

EXTRA HELP AND RESOURCES
I am available before and after school for students wishing additional help. I’m usually here by 7:00am and I usually stay until 3:30. I am also available on my prep period and during my study hall to provide assistance. Please check with me in advance to make sure I am available. I can also be reached via email and my website is a great resource, where you will find pdf files of notes along with dissection videos.
ACADEMIC DISHONESTY
A student shall not engage in any act of cheating, plagiarism, or academic dishonesty.

Definitions and Examples:

Cheating includes, but is not limited to:
- copying answers from another student’s test paper
- copying another student’s homework using "crib notes," cell phones, or some other method to secretly look at information to answer test questions
- using a cell phone or other electronic device to take pictures of tests and exams and sending them to another student
- text messaging questions and answers to another student
- paying another student to do assignments/homework

Plagiarism includes, but is not limited to:
- using a pre-written term paper or essay
- copying another person’s opinions or thoughts from a book, magazine, website, newspaper or online article and passes it on as the student’s own work
- paraphrasing or summarizing someone else’s opinions or thoughts and passing it on as the student’s own work

Academic Dishonesty Consequences:
When any academic dishonesty incident occurs, the teacher will contact the parents/guardians in a timely manner. Academic dishonesty may include immediate and/or long-term consequences. Academic consequences may include, but are not limited to a reduction in points or an automatic zero or "F" for the assignment, project, or test. The consequences of academic dishonesty will also be applied to any student found to be aiding and abetting another student in committing academic dishonesty.

BEHAVIORAL EXPECTATIONS: Students are expected to adhere to the school-wide expectations as outlined below.

Be Safe:  
1. Students should enjoy breakfast and Dunkin Donuts BEFORE coming to class. This is a science classroom, where chemicals are used and dissection of animal specimens occur, therefore eating and drinking should be done outside of the classroom in order to ensure safety.

2. Handle dissection tools appropriately.

Be Responsible:  
1. Arrive to class on time. You are expected to be in your seat when the beginning bell rings and remain in your seat until the dismissal bell.

2. When leaving, sign out and take a lanyard. Students should only be signing out and missing instructional time as a rare circumstance.

3. Cell phones are to be placed in your assigned slot on the pocketed holder hanging on the door prior to the beginning of class. The use of cell phones is absolutely prohibited during tests, quizzes and in-class assignments. If your cell phone is not in your slot and I suspect you are using it, you will receive a ZERO on the assignment and I will notify your parents. Cell phones may be retrieved at the end of class when I give permission.
4. The use of Chrome books will be strictly for educational purposes. There will be no Netflix or Youtube viewing during class time.

5. Check the Make-Up Work folder when returning from an absence.

**Be Respectful:**

1. Inappropriate language will not be tolerated. Think before you speak!

2. Be mindful of the fact that our dissection specimens were once living things and should be treated respectfully.

3. Honor the opinions of others, even if they differ from yours.

**Be Involved:**

1. Students will be expected to pay attention, take notes and complete assignments as material is presented to them.

2. Students will participate in all types of classroom activities either as members of groups or individually. Students are expected to participate in all activities in a meaningful way.

**Behavioral Expectation Consequences**

Failure to abide by the above behavioral expectations will result in the following:

- First offense: Verbal warning
- Second offense: Parent notification
- Third offense: Principal referral
COURSE CONTENT COVERED

The following is a rough guideline of the topics we will be covering in class this year. This outline is tentative and subject to change.

I. Introduction to Medical Terminology
   a. Anatomical Positions
   b. Directional Terms
   c. Body Cavities
   d. Prefixes/Suffixes

II. Overview of Body Systems

III. Skeletal System
   a. Identify and Name Bones
      1. Axial Skeleton
      2. Appendicular Skeleton
   b. Physiology
      1. Function of the skeletal system
      2. Structure of bones
      3. Classification of bones
      4. Bone growth and development
      5. Articulations, Joints, Disorders
      6. X-rays

IV. Muscular System
   a. Identify muscles
   b. Muscle movements
   c. Dissection of rat
   d. Physiology
      1. Properties of muscles
      2. Muscle characteristics
      3. Muscle functions
      4. Muscle structure

V. Organ Practical

VI. Digestive System
   a. Identify digestive system parts
   b. Dissection of rat
   c. Physiology
      1. Mechanical digestion
      2. Chemical digestion
      3. Process of digestion

VII. Respiratory System
   a. Identify respiratory system
   b. Physiology
VIII. Cardiovascular System
   a. Identify structures of cardiovascular system
   b. Dissection of cow heart
   c. Physiology
      1. Chambers
      2. Layers
      3. Conduction System
      4. Pathway of blood through the heart
   d. Blood vessels
   e. Blood

IX. Urinary System
   a. Identify structures of urinary system
   b. Dissection- kidney
   c. Functions of urinary system
   d. Physiology

X. Nervous System
   a. Identify structures of nervous system
   b. Dissection
      1. Sheep brain
      2. Cow eye

XI. Endocrine System
   a. Identify structures/glands of endocrine system
   b. Hormones

XII. Reproductive System
   a. Identify male and female reproductive structures
   b. Physiology
Parent/Guardian Syllabus Acknowledgment

Detach this sheet and return to teacher by: ____________

Comparative Anatomy/Physiology - Mrs. Anderson

By signing, we acknowledge that we have read and discussed the Comparative Anatomy/Physiology student information and syllabus. We understand that failure to comply with the established rules and procedures may result in disciplinary action.

_________________________ __________________________
Student Name (please print) Date

_________________________ __________________________
Student Signature Date

_________________________ __________________________
Parent/Guardian Name (please print) Date

_________________________ __________________________
Parent/Guardian Signature Date

_________________________
Parent/Guardian Email(s): __________________________________________________________

_________________________
Parent/Guardian Phone Number and best time to contact: _________________________________

Do you have a computer with internet access at home? Yes / No (Please circle one.)

Do you have a computer printer at home? Yes / No (Please circle one)

Is there any other information I should know about your student to help him/her be successful?

_______________________________________________________________________________
________________________________________________________________________________