



School
 ington & Thornton, CO 80229
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 tonh.adams12.org

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 Five Star Schools

School Year	2017-2018	Teacher Name	Elliott Loftis
Office	412 - 6th hour plan	Website	http://ths-anatomy.weebly.com
Phone	(720) 972-4843	Google Classroom	Class Codes: 2nd hour - vxard87 4th hour - ia1hb4 7th hour - hzsk28 8th hour - z3r7c5
Email Address	lof018997@adams12.org		

Course Name	CP Anatomy & Physiology - Course #5035		
Course Description	This course moves beyond traditional anatomy and physiology courses which center around the dissection of various organs and organisms. This class explores the dynamic processes that occur within and between human organ systems. Micro anatomical and gross anatomical structures are examined insofar as they support function. Current articles from the popular scientific press keep students abreast of physiology gone awry in states of disease as well as physiology optimized for peak health. This course provides an excellent background for students pursuing careers in the health sciences.		
Unit of Study	Grade Level Expectations/Content Standards	Approximate Time Spent	Targeted Date of Assessment
Introduction to A&P: Language of anatomy, Levels of organization (biomolecules, cells, tissues)	HS-LS1-6. Construct and revise an explanation based on evidence for how carbon, hydrogen, and oxygen from sugar molecules may combine with other elements to form amino acids and/or other large carbon-based molecules. HS-LS1-7. Use a model to illustrate that cellular respiration is a chemical process whereby the bonds of food molecules and oxygen molecules are broken and the bonds in new compounds are formed resulting in a net transfer of energy. HS-LS1-2. Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.	15 days	9/12/2017
Support & Movement (Integumentary, Skeletal, & Muscular Systems)	HS-LS1-2, HS-LS1-3. Plan and conduct an investigation to provide evidence that feedback mechanisms maintain homeostasis.	10 days 14 days 13 days	9/26/2017 10/17/2017 11/3/2017
Body Communication (Nervous & Endocrine Systems)	HS-LS1-2, HS-LS1-3	16 days 10 days	12/5/2017 12/20/2017
Transportation, Energy, & Waste (Cardiovascular, Respiratory, Digestive, & Urinary Systems)	HS-LS1-2, HS-LS1-3	15 days 12 days 14 days 10 days	1/30/2018 2/15/2018 3/9/2018 3/23/2018
Reproduction & Human Genetics	HS-LS1-2, HS-LS1-3, HS-LS3-1. Ask questions to clarify relationships about the role of DNA and chromosomes in coding the instructions for characteristic traits passed from parents to offspring.	14 days	4/20/2018
Immunity & Defense (Lymphatic System)	HS-LS1-2, HS-LS1-3	12 days	5/8/2018

Grading Scale	Grade Percentages/Weights		
A	90-100	Summative Assessments & Projects	80%
B	80-89	Formative Assessments & Projects	20%



C	70-79	
D	60-69	*Weekly progress grades are posted at https://ic.adams12.org/campus/portal/adams12.isp
F	59 or below	

General Expectations

- Grades are based upon the demonstration of proficiency on units associated with a standard given during each formative or summative assessment. Formative grades in addition to summative unit assessments will be used to holistically determine your grade.
- **Summative: 80%** Summative measures of achievement are taken when unit mastery is expected. (i.e., unit tests, culmination of a unit project, embedded assessments, etc.)
 - If no attempt to take a summative assessment has been made, a “no evidence” (NE) grade will be recorded until the assessment is completed. NE shall be defined as not attempting the assessment or not being present for the assessment. **NE will be equal to 0%**
 - In order to receive a passing grade, a student must **attempt ALL summative assessments.**
 - The presence of a NE grade for any summative assessment at the end of a grading period (semester) will result in a grade of F for the course, **regardless of performance on other assessments.**
- **Formative: 20%** Formative assessments measure the scaffolding skills and/or content embedded in the unit. Formative assessments are taken frequently, after a student has practiced a skill or become familiar with content. Examples of formative assessments include but are not limited to exit tickets, paragraphs, oral check for understanding, warm-ups, stages in a large project, etc.
- Assessments will be graded based on teacher/district/state rubrics.
- On group projects, students will receive a grade for individual work and a group grade.
- Grades are based on achievement of Content Standards and Grade Level Expectations.

Class Expectations

Class Calendar - Class calendar will be posted on the class website, and will be updated weekly with topics to be covered, assessment dates, and other events that will affect the class. In addition, Google Classroom generates a calendar for each of you with the due dates of any work that is assigned within Google Classroom. If you subscribe to the class calendar, both of these will appear in your district Google account’s calendar list. Please reference these regularly.

Tests & Quizzes - There will be frequent formative assessments, both announced and unannounced, to check student understanding of the class-work and reading assignments, and to gauge review progress. Due to the cumulative nature of this class, quizzes and tests may include material from previous units.

Extra Credit - There will be no regularly assigned extra credit for this class, although extra credit opportunities will arise as optional extensions of some assignments and projects.

Formative work - *Please plan on 30 minutes of individual practice time 2-3 days per week*, either on current work or in review. Most assigned formative work will be due two (or more) days after it is assigned. It should be attempted the day it is assigned, and then, if necessary, you will have an opportunity to ask questions and get help before the work is due. In general, this work will be started in class and completed on your own time (if necessary). Due dates will be on either the class calendar (website) or in your Google Classroom, and will be discussed as each assignment is given. Late formative work will not be accepted after the day of the unit



test (excepting extenuating circumstances discussed with me ahead of time).

Absences - If material was assigned before an absence and due during an absence, it is due the day you return. If you know about an absence ahead of time, please work ahead to minimize the effect of the absence. You are responsible for all material missed during an absence, regardless of reason. It is your responsibility to collect makeup work, review content covered, and schedule test/quiz makeup times with me. For excused absences you have 2 days to complete missed work for every day you are absent.

Makeup Work - please see me to collect any makeup work. In-class presentations, videos, and assignments (when available digitally and able to be posted legally), will be available on the class website and/or in Google Classroom. Check the class calendar and Google Classroom to see what you missed, but always see me after an absence in case we did something that I could not post online.

Lab Work - Lab work is especially difficult to make up, and **must** be made up within 2 days of the original date during an open class period, if the classroom schedule allows. Some labs (dissections) can not be made up due to safety concerns, and an alternative assignment will be given instead.

Plagiarism - Plagiarism is unacceptable. Papers will be examined for copying, and may be run through detection programs (turnitin.com). If copying is detected, the paper will receive a failing grade that cannot be made up, and the paper will be turned over to the administration for further action. Plagiarism includes copying from any source without giving credit, including fellow students. This primarily involves labs, tests and quizzes. NOTE - I understand that students often work together on practice work - and I encourage this – but put the material in your own words and do your own assignment (unless specified as a group product assignment). If you find useful information anywhere besides our text, you must cite your source. I'm not picky about citation style, as long as you are consistent.

Cheating - During tests and quizzes, there is NO talking or phone use for any reason. Talking with others may result in both students' papers being taken away and receiving a failing grade. Talk only to me during tests and quizzes if you have questions or needs – don't risk misunderstandings!

Safety - Safety rules for lab days will be discussed at length separately. There is a required safety contract, to be reviewed and signed by parents and students, which must be returned before students can participate in lab work. There will be frequent demonstrations of techniques, and checks for use of proper techniques, as new or unfamiliar techniques are introduced.

Questions about Classwork - Check with me during open class periods (5th & 6th), or schedule a meeting if you have any questions or need help. I am always willing to discuss the class content or assignments, but I am not able to read minds, so I don't know what specific help you need unless you come in for individual help. There are many resources available including texts, websites, and videos/podcasts. Please come see me while the confusion is small and easy to overcome!

Student Expectations

Take Responsibility

- Students are **prompt** (on time) for their classes and appointments
 - *It is expected that students will be in their seats and ready to work when the bell rings. Students may be assigned lunch detention after 3 tardies. Being tardy to labs (or arriving unprepared) may mean having to make up labs another day (if possible), or having to complete an alternative assignment.*
- Students arrive **prepared** for class



- *Bring the necessary materials for class every day. This includes a pen/pencil, notebook with current unit materials, and any current/due assignments. Be sure to dress appropriately on lab days, and bring any necessary materials.*
- *Phones, music players, tablets, cameras, etc. must be out of sight at all times, unless being used for academic work with instructor approval. Inappropriate use of electronics may result in confiscation of the device:*
 - **1st offense** - student collects from teacher at the end of class.
 - **2nd offense** - student collects from the Student Relations office at the end of the day, signs district cell phone policy
 - **3rd offense** - parent collects from the Climate & Culture office, signs district cell phone policy
 - **4th offense** - Parent/student conference with Climate & Culture office, additional consequences (detention, ISS, OSS, etc.)
- Students are **safety conscious** in the classroom at all times.
 - *There is **NO eating or drinking in the classroom** except for screw-top water bottles. This is a safety issue - this room is used by multiple classes, and the tables may have chemicals or other substances on them. For the same reason, makeup, lotions, etc. should remain in backpacks, purses, etc.*
 - *Due to staff and students with respiratory issues, spray perfumes, colognes, body sprays, etc. are not allowed in classrooms or the hallways.*

Honor Each Other

- Students are **polite** to everyone in the building
 - *We will speak positively and respectfully to and about each other and support each other during class and group activities.*

Strive for Success

- Students **produce** work that demonstrates their skills and abilities
 - *Make an honest and good attempt on all formative work, ask questions when you need to, pre-read materials before coming to class, ask for additional help when needed*
- Students actively **participate** in classroom activities
 - *During labs and discussions, students will support their lab partners and classmates by being attentive, cooperative, reliable, and positive towards the efforts of others*
 - *During this class, we are working on Anatomy & Physiology. If materials for another class are out during this time, they may be confiscated.*
- Students come to class with a **positive mental attitude**.
 - *Come prepared to try, and try again. Anatomy & Physiology is not easy, but learning about the inner workings of your own body is exciting and rewarding!*

Syllabus Signature Sheet

Students: Please read the course syllabus and share it with your parents. Both you and your parents need to sign this sheet, and return it to Mr. Loftis by Friday, August 25th.

At various points throughout the school year I will be showing video clips/educational movies to help students better understand the concepts being taught in class. Please use the comments space below to indicate if you have any concerns with your student viewing videos in class. Videos periodically used in class will not have higher than a PG-13 (or equivalent) rating. If any videos chosen for viewing have higher than a PG-13, a separate permission form will be sent home at least one week before the scheduled screening of the video. You may choose to not have your student view any video, and an alternative assignment will be given in its place.



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I have read and understand the policies and expectations for CP Anatomy & Physiology at Thornton High School. If I choose to not meet these expectations, I am willing to accept the consequences.

Student Name (Printed):

Parent/Guardian Name (Printed):

Student Signature:

Parent/Guardian Signature:

Date: _____

Date: _____

Comments/concerns:

Safety Review Signature Sheet

Students: Please read the Flinn Student Safety Contract, and share it with your parents. You and your parents both need to sign this sheet and return it to Mr. Loftis. The safety contract is not intended to be a comprehensive list of lab safety regulations, only an outline of general lab safety. By signing this sheet, you agree to behave in a manner that will ensure your safety, and the safety of everyone in the class.

Students will:

- Follow all instructions given by the teacher, both verbally and/or in writing
- Protect eyes, face, hands, and body during class by wearing appropriate clothing and safety gear, including lab goggles, gloves, and lab coat/apron when appropriate
- Carry out good housekeeping practices, such as keeping lab areas clean and uncluttered
- Know the location of safety equipment
- Conduct themselves in a responsible manner at all times in the lab
- Follow any additional safety instructions given by the teacher, verbally or in writing.



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I have read and agree to abide by the *Flinn Scientific Student Safety Contract* provided by the teacher, as well as the summarized safety rules listed above.

Student Name (Printed):

Parent/Guardian Name (Printed):

Student Signature:

Parent/Guardian Signature:

Date: _____

Date: _____

Comments/concerns:

Hoja de Firma de la Revisión de Seguridad

Estudiantes: Por favor lea el Contrato de Seguridad Estudiantil de Flinn, y compártalo con sus padres. Usted y sus padres necesitan firmar esta hoja y devolverla al Sr. Loftis. El contrato de seguridad no pretende ser una lista completa de las normas de seguridad del laboratorio, sino sólo un resumen de la seguridad general del laboratorio. Al firmar esta hoja, usted acepta comportarse de una manera que garantice su seguridad y la seguridad de todos en la clase.

Los estudiantes:

- Siga todas las instrucciones dadas por el maestro, tanto verbalmente como por escrito
- Proteja los ojos, la cara, las manos y el cuerpo durante la clase usando ropa apropiada y equipo de seguridad, incluyendo gafas de laboratorio, guantes y bata de laboratorio / delantal cuando sea apropiado
- Llevar a cabo buenas prácticas de limpieza, como mantener las áreas de laboratorio limpias y despejadas
- Conocer la ubicación del equipo de seguridad
- Conducirse de manera responsable en todo momento en el laboratorio
- Siga las instrucciones de seguridad adicionales dadas por el maestro, verbalmente o por escrito.

He leído y acepto cumplir con el contrato de seguridad estudiantil de Flinn Scientific proporcionado por el maestro, así como las reglas de seguridad resumidas listadas arriba.



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Nombre del estudiante (impreso):

Firma del estudiante:

Fecha: _____

Nombre del padre / tutor (impreso):

Firma del padre / guardián:

Fecha: _____