

# Anatomy and Physiology Honors

Ms. Rodriguez- Room 5216

## Summer Assignment –2018

Chapter 2, 3, and 4 are REVIEW chapters from topics covered pre-requisite (previous) science classes (chemistry concepts, cells, and cellular metabolism). This information is important in understanding anatomy and physiology concepts, yet in order to be able to cover the NEW material in the textbook, these review chapters need to be completed

1. Visual representation for each chapter (Ch. 2, 3, and 4). Visual representations can be in the form of a PowerPoint presentation, self-made Khan Academy presentation, skit/video presentation.

a. Presentations must be uploaded to Etusd by 11:55 pm the night before the first day of school (9/5/16)

i. Go to Etusd, find Anatomy and Physiology Ms. Rodriguez, enter enrollment Key: summer2018

ii. Upload file in the tab labeled “Summer Homework Assignment”

iii. 3 separate submissions, 1 per chapter, make sure file name has your full legal name (how it appears on the roster)

b. Presentation must have pictures or visual representations of the concepts covered in each chapter.

c. ALL major concepts must be covered from each chapter and a description of HOW/WHY these concepts are involved in the human body.

2. Answer the review questions at the end of each chapter to prepare for the exam (Recommended but **not** required)

a. Chapter 2: pg. 49, review #1-33

b. Chapter 3: pg. 73-74 review #1-24

c. Chapter 4: pg. 93 review #1-26

3. We will take a test on chapter 2-4 on the second day of school 9/7/2016

a. NO Exceptions!! - The Exam is worth 100 points.

b. Practice by taking the online quizzes! [www.mhhe.com/shieress8](http://www.mhhe.com/shieress8)

i. Click on student center, go to the chapter, and take the quiz!

If you do not complete the summer assignment, you'll lose 150 points, and not perform well on the first exam. Starting off the year with 250 points less will make it virtually impossible to get an “A” in the class during the first quarter, and possibly the first semester.

Please contact me if you have questions or concerns: Rodriguez.Jennifer@tusd.org

Anatomy and Physiology Honors  
Tentative Syllabus 2017-2018

<b>Month</b>	<b>Concept</b>	<b>Chapter</b>
September	<u>UNIT i – Levels of Organization</u> Review: Chemistry, Cells, Metabolism Introduction to Human Anatomy and Physiology (Terms/Medicine) Tissues – microscope work	2,3,4 1 5
October	<u>UNIT 2 – Support and Movement</u> Integumentary System: Skin (*dissect cat) Skeletal System: Bones (Bone boxes lab)	6 7
November	Muscular System (*dissect cat + frog) scrapbook <u>UNIT 3 – Integration and Coordination</u> Nervous System: CNS (*dissect cat = sheep brain)	8 9
December	Nervous System: PNS Special Senses (* dissect cat + cow eye) Book Report Assignment #1 (winter break)	9 10
January	Endocrine System: disease project Semester I Final Exam <u>UNIT 4 – Transport</u> Blood: typing, donation, normal blood values	11 12
February	Cardiovascular System (* dissect cat + sheep heart) Lymphatic System and Immunity	13 14
March	<u>UNIT 5 – Absorption and Excretion</u> Digestive system and Nutrition (*dissect cat + frog) Respiratory System (*dissect cat)	15 16
April	Urinary System (* dissect cat) Book Report Assignment #2 (spring break) Water, Electrolyte and Acid-Base Balance	17 18
May	<u>UNIT 6 – The Human Life Cycle</u> Reproductive Systems (*dissect cat) Pregnancy, Growth, Development, and Genetics	19 20
June	Final Dissection Project/Report Body System Board Games Semester II Final Exam	

\*NOTE: We will be dissecting cats in anatomy honors all year long in addition to the individual organ dissections. Anatomy regular dissect individual organs and fetal pigs at the end of the year. Absent homework/bookwork is DUE on the day you return. You can obtain assignments from classmates and/or on the internet (etusd). Be responsible for your own learning! Labs/dissections/etc must be made up the same week- **I DO NOT ACCEPT LATE WORK!!**