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|  Fall 2024 SRCS ~ Science Department **Human Anatomy & Physiology Honors** (3A) Grade 12 c. eckart |
| **Date/Day** | **chapter** | **Topics** |
| Q1: 1  | 1 | Proc. checklist/class expect; syllabus & text & website; Who amI? |
| 2  |  | ch 1 (**Org. of human body; vocab**) slides 1-17 |
| 3  |  | ch 1 slides 17-30 (Levels of Org.) |
| 4  |  | How to color (hw explanation & demo)\*ch 1 CP’s provided |
| 5  |  | Ch 1 slides 31-60 Life Processes (Homeostasis, feedback systems, body systems) |
| 6  | 3 | Ch 1 slides 61-90 Anat. terminology (directional & planar), cavities, imaging ; ch 1 QUIZ |
| 7  |  | CP due; ch 1 test;  |
| 8  |  | Go over test; Ch 3 (**Cells**) slides 1-20 Generalized Cell (organelles); Plasma membrane |
| 9  |  | Ch 3 slides 21-40 Transport Processes; organelles con’t; CP  |
| 10  |  | Ch 3 slides 41-58 organelles con’t; protein synthesis |
| 11  | 4 | Ch. 3 slides 59-96 (end) Protein synthesis wrap-up; mitosis & meiosis; |
| 12  |  | **cell practicum**; ch 3 lab (Protein synthesis) |
| 13  |  | ch 3 QUIZ;  |
| 14  |  | CP due; Ch 3 test; Go over test |
| 15  |  | Ch 4 (**Tissues**) slides 1-18 Intro, junctions, 4 basic types |
| 16  | 5 | Ch 4 slides 19-49 Epithelial tissue |
| 17  |  | Ch 4 slides50-66 Connective tissue |
| 18  |  | Ch 4 wrapup; Muscle & Nerve tissue |
| Q 2: 19  |  | ch 4 QUIZ; CP |
| 20  |  | Ch 4 test |
| 21 |  | Go over test; ch 5 (**Integument**) slides 1-14 Functions of Skin |
| 22  |  | Ch 5 slides 15-31 Epidermis; CP intro |
| 23  |  | Ch 5 slides 31-41 Pigmentation, dermis; Dermis, Sub Q, Sensory structures  |
| 24 |  | Ch 5 slides 42-58; Hair, glands, nails; skin practicum (\*NY trip 10.22-25)  |
|   |  | **NO CLASS (1/2 day)** |
| 25 | 6 | Ch 5 slides 59-76 wound healing, burns, law of 9’s, aging |
| 26  |  | Burn stories; |
| 27 |  | **burn activity**; CP |
| 28  |  | HISTORY field trip: NO CLASS |
| 29  |  | Burn activity due; Ch 5 QUIZ |
|  |  | **NO SCHOOL: veteran's day** |
| 30 |  | Ch 5 test; CP |
| 31 |  | Go over test; Ch 6 (**Bone Tissue**) slides 1-14 Skeletal tissues |
| 32 | 7 | Ch 6 slides 14-26 Tissues con’t, Long bone anatomy |
| 11.20-24  |  | **THANKSGIVING BREAK** |
| 33  |  | Ch 6 slides 27-47 histology of bone tissue, blood & nerve supply; |
| 34  |  | Ch 6 slides 47-58 bone formation, growth & remodeling; CP |
| 35  |  | Ch 6 slides 59-74 (end) Fracture & Repair, exercise & aging; bone sketch activity |
| 36  |  | Ch 6 wrap-up & QUIZ; CP/bone sketch wrapup |
| 37  |  | CP due; Ch 6 test |
| 38  |  | Go over ch 6 test; review |
| 39 |  | REVIEW ch 1-6 midterm |
| 40 |  | ch 1-6 midterm |
|  | After break:Skeletal lab 2.0 (con’t sketching skeleton) |

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|  **Spring 2024** SRCS ~ Science Department **Human Anatomy & Physiology Honors** (3A) Grade 12 c. eckart |
| **Date/Day** | **chapter** | **Topics** |
| Q3: 1  | 7 |  |
| 2  | 8 |  ch 7 (**Axial Skeleton**) slides 1-16 Skeletal divisions & bone types/markings |
| 3  |  | Ch 7 slides 16-35 Bones of skull |
| 4  |  | Skeletal lab 1.0 (sketch your outline & skeleton)/CP |
| 5  |  | Ch 7 slides 36-53 Vertebral column, |
| 6  |  | Ch 7 slides 54-64 (end) Thorax; Ch 7 QUIZ; CP |
| 7  | 9 | CP due (21,24,27,28,29,30); Ch 7 TEST |
| 8  |  | Ch 8 slides 65-78 Appendicular skeleton |
| 9  |  | CP Friday; humerus lab |
| 10  |  | Humerus lab due; Ch 8 slides 78-93 |
| 11  |  | Ch 8 slides 98-110; ch 8 QUIZ |
| 12  |  | Ch 8 skeletal practicum; ch 9 intro (slides 1-6) |
| 13  |  | Ch 8 TEST; skeleton due; CP due (31,33,35,37,40,42) |
| (F,2.18-F, 2.26)  |  | Senior missions Trip (No Class) |
| 14 |  | Ch. 9 slides 7-25 |
| 15  | 10 | Ch 9 running shoe lab; con't slides 25-33 |
| 16  |  | Running lab due; Ch 9 slides 34-52 |
| 17  |  | Ch 9 slides 52-80 |
| 18  |  | Ch 9 slides 80-84; ch 9 QUIZ |
| F (3.16) |  | **END of QUARTER No Class (1/2 day)** |
| Q4: 19  |  | Ch 9 TEST; CP due |
| 20  |  | Go over ch 9 test; Ch 10 slides 1-16 |
| 21  | 11 | Ch 10 slides 17-43 |
| (3.26-4.2) |  | **SPRING BREAK** |
| 22  |  | CP Friday; ch 10 slides 43-48 |
|  23  |  | Ch 10 slides 48-66; |
| 24  |  | Ch 10 67-end wrap up & QUIZ; review |
| 25 |  | Ch 10 TEST |
| 26  |  | Go over ch 10 test; Ch 11 slides 1-21 |
| 27  |  | Ch 11 slides 21-36 |
| 28  |  | Ch 11 slides 37-58 |
| 29  |  | Lift the chair activity; ch 11 slides 58-end |
| 30  |  | Ch 11 muscle practicum; ch 11 QUIZ |
| 31  | Var. cch | Ch 11 TEST |
| 32  |  | Go over ch 11 test;Intro to piglab |
| 33  |  | piglab |
| 34  |  | piglab |
| 35  |  | piglab |
| 36 |  | Piglab; pig due/inspection |
| 37  | pig | Final coroner’s report due; Digestive day part 1 |
| 38  |  | Digestive day part 2 |
| 39  |  | When Does Life Begin? |
| 40  |  | Review Ch 7-8,10,11 final exam |
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