|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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) | | |

|  |  |  |
| --- | --- | --- |
| **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 |
|  |  |  |