

## Anatomy and Physiology Sequence 2nd Six Weeks

### Week 1: (Oct 3)

- Day 1: Grade papers from last Thursday (Question p.102-106)  
Discuss burns and how the skin repairs itself.  
Homework: Study for Test
- Day 2: Complete Review sheets for Integumentary System  
Homework: Finish worksheet and study for exam.
- Day 3: Grade Review sheets and review chapter material for test.  
Homework: Study for test.
- Day 4: Test: Integumentary System  
Begin Integumentary System Lab
- Day 5: Continue work on Integumentary System Lab. Examine slides of skin and scalp cross sections/ test skin receptors.

### Week 2: (Oct 10)

- Day 1: Introduce Project: "A Can of Bull?" Students will work with a partner outside of class to complete this project comparing various energy drinks. See Handout.  
Video- "Human Body Systems: The Skeletal and Muscular Systems" (Discovery Streaming)  
Discuss 5 functions of the Skeletal System; 2 Large bone groups; and 4 Bone subgroups (Bone Tissue.ppt Slide #1-5)  
Homework: Read p. 116-126
- Day 2: Discuss the difference between spongy and compact bone; Skull bone organization. (Bone Tissue.ppt Slide #6-9) Quiz on these on Friday.  
Assignment: Label and Color skull bone diagram.  
Homework: Read p. 116-126
- Day 3: Quiz: Notes p. 116-126  
Discuss Bone cell types and Bone matrix. (Bone tissue.ppt Slide #10-16)  
Watch animations on bone growth, bone remodeling, and repair of bone after fracture. Use website listed below:  
<http://depts.washington.edu/bonebio/ASBMRed/growth.html>  
Watch You Tube clip on Leg Lengthening and Top Bone Breaks

## Anatomy Sequence (2nd Six Weeks)

### Week 2

- Day 4: Discuss the Structure of long bones and bone marrow (Slide #17-22)  
Discuss the Microscopic structure of compact bone. (Slide #24-27)  
Watch "Bone Growth in Width" (Chapter 6 Animation at link below)  
<http://highered.mcgraw-hill.com/sites/0072495855>

Day 5: Quiz: Bones of the Skull  
Groups will go to library and use computers to research for  
“Can of Bull?” Project.

Week 3: (Oct 17)

Day 1: Go over the bones of the skeleton and knee joint.  
Go to [edheads.com/](http://edheads.com/) complete virtual knee replacement.

Day 2: Vitruvian Man  
Skeletal Diseases:

Day 3: Ch. 5 Review Sheets

Day 4: Grade Review Sheets

Day 5: Skeletal System Test

Week 4: (Oct 24)

Day 1: Read and takes notes over p. 162-170

Day 2: Note Quiz: p. 162-170  
Discuss 3 types of muscle and muscle functions. Muscles.ppt (slide #1-7)  
Assignment: Learn muscles of face and neck p. 182

Day 3: Discuss microscopic structure of skeletal muscle. P. 166-167  
Muscles.ppt (slide #8- )  
Homework: Study face and neck muscles.

Day 4: Quiz: Muscles of Face and Neck  
Finish notes on Axon Terminal and Smooth ER Calcium release.  
Assignment: Learn muscles of Anterior Body Surface

Day 5: Watch 2 segments from UTube folder on Muscle Physiology  
Assignment: Questions p. 170-172  
Homework: Study muscles of Anterior Body Surface

Week 5: (Oct 31)

Day 1: Grade Questions p. 170-172  
Assignment: The Muscular System worksheet Set #1  
Homework: Study muscles of Anterior Body Surface

Day 2: Quiz: Muscles of Anterior Body Surface p. 190  
Lab: ATP Production and Muscle Fatigue

Day 3: Discuss 3 types of ATP Production  
Assignment: Study muscles of Posterior Body Surface

Day 4: Assignment: The Muscular System Worksheet #2

Homework: Study muscles of Posterior Body Surface

Day 5: Quiz; Muscles of the Posterior Body Surface

Grade Worksheet #2

Watch video: Marathon Challenge