

Day 08 – 3/3/14

Student Learning Objectives

By the end of this class you will be expected to understand:

- The five functions of bones in the human body
- The structure and composition of compact and spongy bone
- The purposes of the different bone cells
- The processes of bone development, growth and repair
- The difference between the axial and appendicular skeletons

Support videos:

- The Skeletal System
 - <http://www.youtube.com/watch?v=RW46rQKWa-g>
 - <http://www.youtube.com/watch?v=UPrxQkjjExI>
- In-Depth Skeletal System Resource
 - <http://education-portal.com/academy/topic/skeletal-system.html>

Assigned reading:

- Chapter 5: p102-107

Vocabulary:

- Skeletal system
 - Bone
 - Ligament
 - Cartilage
 - Tendon
- Bone tissue
 - Compact bone
 - Spongy bone
 - Yellow marrow
 - Red marrow
- Bone cell
 - Osteocyte
 - Chondroblast
 - Osteoblast
 - Osteoclast
 - Osteon
- Long bone
 - Growth plate
- Osteoporosis
- Skeleton
 - Axial skeleton
 - Appendicular skeleton