

Anatomy & Physiology – Course Curriculum:

David Morris - Centura H.S.

Topics Covered

This course will cover the anatomy and physiology of the human body.

A. The Human Body: An Orientation - SC.LS.6.1

1. Overview
2. Organization
3. Language of anatomy

B. Basic Chemistry – SC.LS.6.1

1. Macromolecules

C. Cells and Tissues - SC.LS.6.1

1. Cell review
2. Body tissues

D. Skin and Body Membranes - SC.HSP.6.2

1. Classification of body membranes
2. The integumentary system

E. Skeletal System - SC.HSP.6.3

1. Bone overview
2. Axial skeleton
3. Appendicular skeleton
4. Joints

E. Muscular System - SC.HSP.6.4

1. Muscle tissue overview
2. Microscopic anatomy
3. Skeletal muscles activity
4. Muscle movements, types, and names
5. Gross anatomy

F. Blood - SC.HSP.6.6

1. Composition and functions of blood
2. Hemostasis

G. Cardiovascular System - SC.HSP.6.6

1. Heart
2. Blood vessels

H. Respiratory System - SC.HSP.6.6

1. Functional anatomy
2. Respiratory physiology

I. Digestive System and Body Metabolism - SC.HSP.6.7

1. Anatomy
2. Function
3. Nutrition
4. Metabolism

J. Nervous System - SC.HSP.6.5

1. Organization of the nervous system
2. Structure and function
3. CNS
4. PNS

K. Special Senses

1. Eye and vision
2. Ear: Hearing and balance
3. Chemical senses