

Scholars Prep Guide

Anatomy and Physiology

Description:

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems of the body, students will learn through reading materials, study guides, unit worksheets, group work, projects, and labs.

As a student you will be exposed to new scientific language, concepts, technology, and research. You will actively participate in laboratory investigations to help you develop or strengthen scientific attitudes and interests. You will be encouraged and guided towards taking an independent responsibility in your own learning, which will prepare you for college, technical school, and/or the work place.

The major disciplinary core ideas utilized for Human Anatomy and Physiology include:

- Human body organization to accomplish life
- Integumentary system
- Skeletal system
- Muscular system
- Cardiovascular system
- Immune and lymphatic systems
- Digestive system
- Urinary system
- Endocrine system
- Nervous system
- Reproductive system

Tennessee Academic Science Standards. <https://www.tn.gov/education/instruction/academic-standards/science-standards.html>

Tips for preparing for Anatomy and Physiology:

- Prerequisite of Biology I (some topics will be covered in more detail)

Tips for being successful in Anatomy and Physiology:

- Take responsibility for your learning.
- Ask questions.

- Listen.
- Take notes.
- Review your notes from class.
- Do your own work. Do not copy from someone else's work.
- Study for tests.