

Anatomy and Physiology 1 & 2

Course Description: This course takes a closer look at the biological structure of humans, including things such as tissues, organs, muscles, bones, and blood. The first semester includes anatomical terminology, the study of structure and function of tissues, and the integumentary, skeletal, and muscular systems, while the second semester includes the nervous and cardiovascular systems. This course also involves a laboratory component, which includes anatomical studies using microscopy and dissection and the study of physiological concepts. Each semester, students will also be involved with multiple tasks in order to successfully host a Blood Drive at Central High School.

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

Essential Skills:

I can use scientific method to think objectively about situations.

I can explain the structure and function of the skin, hair, and nails.

I can critique five ways the skeletal system supports the body and produces materials.

I can differentiate among the structure and function of skeletal, smooth, and cardiac muscle.

I can describe the structure and function of blood.

I can describe and locate areas and parts of the heart with their respective functions.

I can assess an emergency and provide basic assistance safely.

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in-class tasks, ask questions) without distractions (cell phones, ear buds, games, etc.)
2. Use morning time and teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.

Grading

Learning (Practice) includes instructional activities in and outside of class and are not used in grade determination.

Skyward Assessment (Grades) may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Calculations:

Course Grade	
Semester Grade	95%
Culminating Activity/Project/Exam	5%

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Rapid City Alternative Academy Courses:

- Will determine grades based on student learning and growth.
- Will not include practice and behavior in grade determination.
- Will give all students regardless of absence an opportunity to demonstrate learning.
- Will not include extra credit.

Instructional Resources:

Textbook: Essentials of Human Anatomy & Physiology, 11th edition by Elaine Marieb.