

Human Anatomy and Physiology Syllabus

Teacher: Deas

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Course Description / Methods of Instruction

Anatomy and physiology is the study of the structure and function of the various systems of the human body. The human anatomy and physiology curriculum is designed to continue student investigations that began in grades K-8 and high school biology. This course will include a detailed exploration of the anatomical and physiological organizations of the human body. Instructional methods center on active learning strategies such as creating and coloring diagrams and sketches, designing brochures, completing relevant scientific research, etc. Much will be expected of each student and self-directed study is essential in pursuit of academic achievement in this course.

Course Standards

SAP1. Students will analyze anatomical structures in relationship to their physiological functions.

SAP2. Students will analyze the interdependence of the integumentary, skeletal, and muscular systems as these relate to the protection, support and movement of the human body.

SAP3. Students will assess the integration and coordination of body functions and their dependence on the endocrine and nervous systems to regulate physiological activities.

SAP4. Students will analyze the physical, chemical, and biological properties of process systems as these relate to transportation, absorption and excretion, including the cardiovascular, respiratory, digestive, excretory and immune systems.

SAP5. Students will analyze the role of the reproductive system as it pertains to the growth and development of humans.

Units of Study

- Unit 1: Introduction to Anatomy and Physiology
- Unit 2: Histology
- Unit 3: Integumentary System
- Unit 4: Skeletal System
- Unit 5: Muscular System
- Unit 6: Nervous System
- Unit 7: Cardiovascular/Respiratory System
- Unit 8: Digestive System
- Unit 9: Urinary System
- Unit 10: Reproductive System

Required Materials - Unless you are told otherwise, bring **ALL** required materials to class every day.

- Pencils/pens
- Colored pencils
- Three ring binder filled with paper
- Disposable gloves (1 box for semester)

Grading

- Your overall grade is determined by an 18-week average and a final exam.
 - The 18 -week average makes up 80% of your grade.
 - The final exam makes up 20% of your grade.

- Your 18- week average is calculated in the following way:
 - Tests: 50% (The mid-term exam counts as two test grades.)
 - Labs, notebook, and major projects: 30%
 - Classwork assignments and homework assignments: 20%

Make up Work

- After an absence it is the responsibility of the student to check with the teacher to find out the assignments missed. Failure to ask for missed work does not excuse the student from the assignment. Work missed due to an excused absence must be made up within three days. Failure to make arrangements within the allotted time will result in a zero for all work missed. Work missed during an unexcused absence cannot be made up. If you miss the day of a test, be prepared to take a make-up test the day you return to school. Missed labs must be made up at the teacher's convenience.