

## Wallenpaupack Area School District

### Wallenpaupack Area High School

**Course Title:** Anatomy and Physiology

**Length of Course:** 1 Semester

---

#### District Policies:

***Academic Integrity:***

Academic integrity is essential to the success of an educational community. Students are responsible for learning and upholding professional standards of research, writing, assessment, and ethics in their areas of study. Written or other work which students submit must be the product of their own efforts and must be consistent with appropriate standards of professional ethics. Academic dishonesty, which includes cheating, plagiarism, multiple submissions and other forms of dishonest or unethical behavior, is prohibited.

***Assessment:***

The goal of grading is to report student progress and achievement to the parents to strengthen the home-school connection. The grade should accurately reflect the student's performance in mastering the PA Standards and the WASD curriculum.

***Attendance:***

Regular school attendance is vitally important to academic success. Not only does attendance reinforce and enrich the learning process; it also establishes patterns and attitudes that will carry forward into adult work habits. Regular, consistent attendance is a prerequisite to successful school life. Children should be absent only in cases of illness or emergency.

***Special Education:***

Our commitment to each student is to ensure a free appropriate public education which begins with the general education setting, with the use of Supplementary Aids and Services. Inclusive education describes the successful education of all students with the appropriate supports and services to participate in and benefit from the general classroom settings and other educational environments.

#### Course Description:

Anatomy and Physiology is an advanced biology course designed for students with a special interest in the structure and function of the human body. Disorders, maintenance, repair and aging of body systems will be stressed. The integumentary, skeletal, muscular, nervous, special senses, endocrine, circulatory, immune, respiratory, digestive, urinary, and reproductive systems will be covered in this class. Students will be required to learn details of human anatomy, as well as conceptualize processes of human physiology. Participation in dissections is a mandatory component of the class.

#### Pennsylvania State Standards:

All WAHS courses are aligned to the PA State Standards and Common Core Standards, where applicable.

#### Major Activities:

- Laboratory work and dissections in groups
- Group projects and individual projects
- Cooperative learning groups
- Board/Class demonstrations
- Text reading and review
- Homework
- Chapter tests and quizzes
- Final Exam

#### Student Responsibilities:

***Homework expectations:*** Complete all homework assignments. Homework will help reinforce important concepts covered in class and it will help prepare you for the new material that will be covered during class time.

***Make-up work:*** All missed work must be made up. It is your responsibility to see your teacher about make-up work on the day you return. You have the number of days you were absent from the day you return to make up work. Any work not made up will be recorded as a "0".

***Late work:*** Late work is not accepted. Assignments are due at the start of the block of the given day.

**Assessment:****Grading components:**

Grades will be determined by tests, quizzes, laboratories, class work, projects, and homework. Your grade will be based on the total points accumulated, divided by the total points possible.

**Content Pacing Guide:**

Topic	Major Assignments	Estimated Time (in blocks)
Introduction and Terminology	<ul style="list-style-type: none"> <li>• Lab activities</li> <li>• Current events project</li> <li>• Quizzes</li> </ul>	4
Organic Compounds, Cells, and Tissues	<ul style="list-style-type: none"> <li>• Lab activities</li> <li>• Quizzes</li> <li>• Test</li> </ul>	9
Integumentary System	<ul style="list-style-type: none"> <li>• Skin disorder research and presentation</li> <li>• Analysis of skin care product/advertisement</li> <li>• Quiz</li> <li>• Test</li> </ul>	6
Skeletal System	<ul style="list-style-type: none"> <li>• Lab activities</li> <li>• Evaluation of disorders</li> <li>• Quizzes</li> <li>• Test</li> <li>• Case studies</li> </ul>	9
Muscular System	<ul style="list-style-type: none"> <li>• Muscle models</li> <li>• Lab activities</li> <li>• Evaluation of disorders</li> <li>• Quiz</li> <li>• Test</li> </ul>	9
Nervous System	<ul style="list-style-type: none"> <li>• Two-pt discrimination Evaluation</li> <li>• Learning style assessment</li> <li>• Neural circuitry activity</li> <li>• Lab activities</li> <li>• Evaluation of disorders</li> <li>• Quizzes</li> <li>• Test</li> </ul>	10
Special Senses	<ul style="list-style-type: none"> <li>• Vision tests lab</li> <li>• Gustation and olfaction lab</li> <li>• Lab activities</li> <li>• Eye dissection</li> <li>• Evaluation of disorders</li> <li>• Quizzes</li> <li>• Test</li> </ul>	7
Endocrine System	<ul style="list-style-type: none"> <li>• Create visual of structures and functions of glands</li> <li>• Class activities</li> <li>• Evaluation of disorders</li> <li>• Test</li> </ul>	6
Blood and Circulatory System	<ul style="list-style-type: none"> <li>• EKG measurements lab</li> <li>• Blood pressure lab</li> </ul>	9

	<ul style="list-style-type: none"> <li>• Blood typing evaluation</li> <li>• Evaluation of disorders</li> <li>• Heart dissection</li> <li>• Test</li> </ul>	
Body Defenses	<ul style="list-style-type: none"> <li>• Lab activities</li> <li>• Evaluation of disorders</li> <li>• Test</li> </ul>	3
Respiratory System	<ul style="list-style-type: none"> <li>• Measuring lung capacity activity</li> <li>• Lab activities</li> <li>• Evaluation of disorders</li> <li>• Test</li> </ul>	3
Digestive System	<ul style="list-style-type: none"> <li>• Organic compounds and enzymes lab</li> <li>• Lab activities</li> <li>• Evaluation of disorders</li> <li>• Test</li> </ul>	4
Urinary System	<ul style="list-style-type: none"> <li>• Urine analysis lab</li> <li>• Class activities</li> <li>• Evaluation of disorders</li> <li>• Test</li> </ul>	3
Reproductive System	<ul style="list-style-type: none"> <li>• Class activities</li> <li>• Evaluation of disorders</li> <li>• Test</li> </ul>	2
Fetal Pig Dissection	<ul style="list-style-type: none"> <li>• Identification of structures and functions</li> <li>• Lab practical exam</li> </ul>	5
All Topics	<ul style="list-style-type: none"> <li>• Final exam</li> </ul>	1