

Wallenpaupack Area School District

Wallenpaupack Area High School

Course Title: Diversity of Life

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:

*** Please Note: Students with allergies to animals and animal dander may be affected by the environment in this classroom and should consider this fact before signing up for this class.

Grades: 11, 12

Prerequisites: Science 9 and Biology CP or Biology

This course will provide you with an enjoyable and informative hands-on overview of the biological kingdoms, including microorganisms, plants and animals. Students will learn about life's diversity, form, function, and Importance. Students will be required to care for organisms (mammals, reptiles, amphibians and plants) during this course. Projects are an integral part of this course.

Pennsylvania State Standards:

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

Major Activities:

Science Journal Writing: Writing about an organism taken care of in the class

Model Building: Various models of plants and animals will be built

Storybook Writing: Children's storybook will be written

Microscopes: Students will use microscopes to study microorganisms

PowerPoint Presentations: Students will make Power Points and present them to their classes

Magazine Article Writing: Students will write article that could be found in science magazines

Final: 100 question final

Student Responsibilities:

Attendance expectations:

Attendance is central to your success in this class. Due to the nature of this class, the coursework is completed during the class period; therefore, any absence will result in the student missing work which must be completed.

Homework expectations:

With one exception, homework is not assigned in this class. All work will be completed in class. However, if more time is needed to complete assignments, students will be required to complete the work at home or during after-school computer lab.

Make-up work: Students will be given one day for each day you are **excused** from class to turn in make-up work. All assignments and information are acquired by from the instructor. If you have any trouble completing the assignments please contact the instructor BEFORE class begins for help.

Late work: Late work is generally unacceptable. Exceptions will be made on a case by case basis.

Assessment:

Grading components:

- Projects: The majority of the course grade comes from a variety of projects/activities assigned during each topic in class.
- Quizzes: A quiz is given based on the notes for each course topic at the end of that topic
- Notebook/Journals: Students are required to keep an organized notebook and a journal for an animal that they care for in the classroom
- Final: A 100 question final taken directly from the quizzes given will be administered at the end of the course.

Quarter Grades:

Every assignment is given a point value. Take the total points received and divide by total possible points and multiply by 100 to get the grade for the quarter.

Final Exam:

Final exam is valued at 14% of the student's final average.

Content Pacing Guide:

Topic	Major Assignments	Estimated Time
Classroom Animals Care/Journal	Daily Journal Writing	Semester
Classroom Animal Research	Animal Information Mobile	4 Blocks
Classification	6 kingdom classification activity, Classification Quiz	6 Blocks
Kingdoms Archaeobacteria and Eubacteria	Bacteria Disease PowerPoint, Mutation Rate Activity, Bacteria Quiz	6 Blocks
Kingdom Protist	Microscope Activity (prepared and living), Protist Quiz	5 Blocks
Kingdom Fungi	Fungus Storybook, Good/Bad Fungus Data Chart, Fungus Quiz	6 Blocks
Kingdom Plantae #1	Medicinal Plants Activity, Plant Division PowerPoint, Botanical Garden, Plant Quiz #1	8 Blocks
Kingdom Plantae #2	"Little Shop of Horrors" model Activity, Vegan Menu, Plant Quiz #2	5 Blocks
Animal Kingdom and Phylum Sponges	"Sponge Bob" Storybook, Animal/Sponge Quiz	5 Blocks
Phylum Cnidaria	"Finding Nemo" Character Analysis, Coral Reef Park, Cnidaria Quiz	6 Blocks
Phylum Molluska	"All Mollusk Team Project", Mollusk Quiz	6 Blocks
Phylum Echinodermata	Echinoderm Science Article, Echinoderm Quiz	5 Blocks
Worms	Create-A-Parasite, Electronic Worm, Worm Quiz	6 Blocks
Phylum Arthropoda	Arthropod PowerPoint, Arthropod Roundup, Arthropod Quiz	9 Blocks
Phylum Chordata	Vertebrate PowerPoint, Mammal Weekly, Chordate Quiz	9 Blocks