

Syllabus

9-12th grade Wildlife Classes

Teachers: Mrs. Ecord

In this class the student will study. . .

Key topics covered

- Habitat management: You will learn about managing habitats for both game and non-game species. This includes topics like brush management, prescribed burns, improving wetlands, and managing grazing to benefit wildlife.
- Species identification and biology: A core component is learning to identify a variety of Texas wildlife, including game animals, fish, furbearers, migratory birds, and endangered species. This also covers their specific ecological needs and behaviors.
- Population dynamics: You will study how wildlife populations grow, decline, and interact with one another. Topics include carrying capacity, predator-prey relationships, and conducting census counts to monitor populations.
- Fisheries and aquatic ecology: The curriculum also focuses on managing fish and other aquatic resources. This involves understanding the ecology of water systems and how it relates to sustainable fisheries.
- Hunting, safety, and regulations: Students are taught game and fish laws, regulations, and the ethics of hunting and fishing. You may have the opportunity to participate in shooting sports programs to learn firearm safety.

Hands-on activities

- Field techniques: A significant part of the learning is outside the classroom. You will gain experience with field methods for wildlife management and research, including compass and pacing skills.

- Plant identification: You will learn to identify various plant species, including trees, grasses, and forbs, and understand their importance as a food source for wildlife.
- FFA Career Development Events (CDEs): Participation in the FFA is often a part of these courses. This includes competitive events like the Wildlife and Recreation Management CDE, which tests students on their knowledge and practical skills.
- Supervised agricultural experience (SAE): An integral part of ag classes is an SAE, a project-based learning experience where students apply what they've learned in a real-world setting, such as on a private game ranch.

Description

In Texas, high school wildlife and agriculture classes teach students about the scientific principles and practical skills needed for managing land, water, animals, and related ecosystems. Students receive hands-on experience through laboratory work, field exercises, and participation in the Future Farmers of America (FFA).

Contact Information

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conference period: 1:10 – 2:00