



Course Outcome Summary

Course Information: **Natural Resources**

Description: This class introduces students to forestry, wild plants, and wildlife care and management.

Instruction Level: Eighth Grade

Total Credits: .25 credits

Course Standards:

Common Career and Technical Core:

1. Communicate and collaborate with others to accomplish tasks and develop solutions to problems and opportunities.
2. Identify and apply employability skills.
3. Assess benefits and challenges of working in diverse settings and on diverse teams.
4. Apply leadership skills in real-world, family, community and business and industry applications.

ACT Reading and Writing Standards:

1. Show a basic understanding of the persuasive purpose of the task by taking a position on the issue in the prompt.
2. Maintain a focus on the general topic in the prompt throughout the essay
3. Provide a simple organizational structure by logically grouping some ideas
4. Locate and interpret minor or subtly stated details in somewhat challenging passages
5. Locate important details in more challenging passages
6. Draw subtle logical conclusions in somewhat challenging passages
7. Paraphrase some statements as they are used in more challenging passages
8. Understand point of view in somewhat challenging passages

Prerequisites: None

Textbooks: None

Unit

1. Weeds
2. Trees
3. Wildlife
4. National Parks

Unit Outlines

1. Weeds

State AFNR Standards:

- Apply knowledge of natural resources components to the management of natural resource systems.
- Classify natural resources.
- Demonstrate natural resource enhancement techniques.
- Produce, harvest, and use natural resource products.
- Identify recreational uses for natural resources.

Essential Question:

- Why are all types of vegetation important to healthy eco-systems?

Essential Knowledge:

- Students will be able to identify common grasses.
- Students will be able to identify common broadleaves.
- Students will be able to compare & contrast grasses & broadleaves.
- Students will be able to explain the important role grasses & broadleaves play in the natural ecosystem.

2. Trees

State AFNR Standards:

- Apply knowledge of natural resources components to the management of natural resource systems.
- Classify natural resources.
- Demonstrate natural resource enhancement techniques.
- Produce, harvest, and use natural resource products.
- Identify recreational uses for natural resources.

Essential Question:

- Why are all types of vegetation important to healthy eco-systems?

Essential Knowledge:

- Students will be able to identify common trees to our area.
- Students will be able to explain the role trees play in habitat creation.
- Students will be able to list forest products (including specialty forest products.)
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3. Wildlife

State AFNR Standards:

- Compare and contrast common types of feed stuffs and the role they play in the diets of animals.

- Explain the importance of a balanced ration for animals.
- Apply knowledge of natural resources components to the management of natural resource systems.
- Classify natural resources.
- Demonstrate natural resource enhancement techniques.
- Produce, harvest, and use natural resource products.
- Identify recreational uses for natural resources.

Essential Question:

- How do plants and wildlife co-habitate to create a healthy balanced eco-system?

Essential Knowledge:

- Students will be able identify wild animals common to our area.
- Students will be able to explain what creates suitable habitat for various forms of wildlife.
- Students will be able to state the economic and social importance of wildlife.

4. National Parks

State AFNR Standards:

- Apply knowledge of natural resources components to the management of natural resource systems.
- Classify natural resources.
- Demonstrate natural resource enhancement techniques.
- Produce, harvest, and use natural resource products.
- Identify recreational uses for natural resources.

Essential Question:

- How can a well-managed eco-system be of value for all people?

Essential Knowledge:

- Students will be able to explain the social, environmental, and economic importance of our National Parks.