

# Clifton-Clyde High School

# Wildlife Management

Name \_\_\_\_\_ SSN \_\_\_\_-\_\_\_\_-\_\_\_\_\_

Instructor \_\_\_\_\_

**RATING SCALE:**  
 3: Skilled, works independently  
 2: Competent, may need assistance  
 1: Received instruction, skill undeveloped  
 0: No exposure, instruction or training

**INTEGRATION:**  
 (M) Math (S) Science  
 (E) Language Arts (C) Career Development Skill  
 (L) Lab Activity

Enrollment Date ____/____/____	Completion Date ____/____/____	Hours completed _____
I certify that the student received the training in the area indicated.		
Student Signature _____	Date _____	
Instructor Signature _____	Date _____	
Administrator Signature _____	Date _____	

- I. The History of Wildlife Management in America
- 3 2 1 0 1. Describe the development of wildlife management in America (E)
  - 3 2 1 0 2. List specific actions that led to modern wildlife management
  - 3 2 1 0 3. Understand the role that wildlife has played in the development of America
  - 3 2 1 0 4. Describe the era of exploitation of America's wildlife (E)
  - 3 2 1 0 5. Understand the role outdoor enthusiasts have played in the conservation movement in America
  - 3 2 1 0 6. \_\_\_\_\_
  - 3 2 1 0 7. \_\_\_\_\_

- II. The Importance of Natural Resources
- 3 2 1 0 1. Identify the common natural resources people use (S)
  - 3 2 1 0 2. Understand the concepts of renewable and nonrenewable natural resources (S)
  - 3 2 1 0 3. Identify renewable and nonrenewable natural resources (S)

- 3 2 1 0 4. Understand the importance of natural resources (S)
- 3 2 1 0 5. List the uses of natural resources
- 3 2 1 0 6. \_\_\_\_\_
- 3 2 1 0 7. \_\_\_\_\_

- III. Principles of Zoology
- 3 2 1 0 1. Distinguish between the sciences of botany and zoology (S)
  - 3 2 1 0 2. List the different classification levels in the science of taxonomy (S)
  - 3 2 1 0 3. Describe how the anatomy of an animal is related to its ability to survive in the environment in which it lives (E)
  - 3 2 1 0 4. List the steps of the scientific process of mitosis (S)
  - 3 2 1 0 5. Identify the steps in the process of meiosis (S)
  - 3 2 1 0 6. \_\_\_\_\_
  - 3 2 1 0 7. \_\_\_\_\_

- IV. Principles of Ecology
- 3 2 1 0 1. Explain the law of conservation of matter

- 3 2 1 0 2. Suggest ways that waste material can be properly disposed of to reduce or eliminate damage to the environment (E)
- 3 2 1 0 3. Relate pollution of the environment to the law of conservation of matter (E)
- 3 2 1 0 4. Examine the positive and negative effects of waste control methods that are used by modern society (E)
- 3 2 1 0 5. Define the role of energy in ecology (S)
- 3 2 1 0 6. Explain the first and second laws of energy (S)
- 3 2 1 0 7. Describe the major events that occur in natural cycles such as the carbon, nitrogen and water cycles (S)
- 3 2 1 0 8. Investigate the importance of water to living organisms (S)
- 3 2 1 0 9. Explain how a food chain is organized (S)
- 3 2 1 0 10. Distinguish among food chains, food webs, and food pyramids (E)
- 3 2 1 0 11. \_\_\_\_\_
- 3 2 1 0 12. \_\_\_\_\_

V. Understanding Relationships Between Wildlife and Agriculture

- 3 2 1 0 1. Explain how scientists organize living organisms (S)
- 3 2 1 0 2. Suggest ways that balance might be restored to an ecosystem (E)
- 3 2 1 0 3. Describe the impacts that modern agriculture has had on the ecosystems of North America (E)
- 3 2 1 0 4. Identify the relationships between farming practices and the environments of different species of fish and wildlife (E)
- 3 2 1 0 5. Distinguish between primary and secondary biological succession (S)
- 3 2 1 0 6. Predict the biological succession of organisms in a particular environment (E)
- 3 2 1 0 7. \_\_\_\_\_
- 3 2 1 0 8. \_\_\_\_\_

VI. Biomes of North America

- 3 2 1 0 1. Explain how events in one ecosystem affect the events in a neighboring ecosystem (E,S)
- 3 2 1 0 2. Describe the relationship between an ecosystem and a biome (E)
- 3 2 1 0 3. List the distinguishing characteristics of a freshwater biome (S)
- 3 2 1 0 4. Compare and contrast freshwater and marine biomes (E,S)
- 3 2 1 0 5. Discuss ways in which wetland habitats function to cleanse the environment (E,S)
- 3 2 1 0 6. Name the terrestrial biomes that are found in North America and describe their similarities and differences (S)
- 3 2 1 0 7. Design a map of the North American continent that illustrates the locations of the major biomes found there (L)
- 3 2 1 0 8. \_\_\_\_\_
- 3 2 1 0 9. \_\_\_\_\_

VII. Habitat Requirements of Wildlife

- 3 2 1 0 1. Describe the basic habitat requirements of all wildlife (E)
- 3 2 1 0 2. Describe wildlife ecosystems (E)
- 3 2 1 0 3. List the elements for ideal wildlife habitat (S)
- 3 2 1 0 4. Explain why each element in ideal wildlife habitat is of equal importance (E)
- 3 2 1 0 5. Discuss the many things that affect wildlife populations
- 3 2 1 0 6. \_\_\_\_\_
- 3 2 1 0 7. \_\_\_\_\_

VIII. Human Impact on Wildlife Habitat

- 3 2 1 0 1. List the ways humans have affected wildlife habitat
- 3 2 1 0 2. Describe human activities that destroy or harm wildlife habitat (E)
- 3 2 1 0 3. Describe some things humans do that benefit wildlife (E)
- 3 2 1 0 4. Explain how specific human activities harm wildlife and wildlife habitat (E)
- 3 2 1 0 5. \_\_\_\_\_
- 3 2 1 0 6. \_\_\_\_\_

IX. Endangered Species

- 3 2 1 0 1. List common endangered species (S)
- 3 2 1 0 2. Explain why species become endangered (E)
- 3 2 1 0 3. List management practices for endangered species
- 3 2 1 0 4. List species that have been successfully managed to prevent their extinction
- 3 2 1 0 5. Explain how we have driven several species in the United States (E)
- 3 2 1 0 6. \_\_\_\_\_
- 3 2 1 0 7. \_\_\_\_\_

X. Responsible Management of Wildlife Resources

- 3 2 1 0 1. Describe the ways that private individuals and institutions can contribute to responsible management of wildlife resources (E)
- 3 2 1 0 2. List some positive and negative effects that farming has had on wildlife habitat (E)
- 3 2 1 0 3. Suggest ways that farmers and ranchers might improve the environment for wildlife
- 3 2 1 0 4. Evaluate the effects that modern industries have had on wildlife habitats (E)
- 3 2 1 0 5. Identify some sources of urban pollution
- 3 2 1 0 6. Propose ways that game farms, ranches, and preserves might profit from restoration and conservation of wildlife habitat (E)
- 3 2 1 0 7. Define roles of environmental organizations in preserving wildlife (E)
- 3 2 1 0 8. Explain how recreational activities affect wildlife populations (E)
- 3 2 1 0 9. Discuss the effects of soil erosion on wildlife habitats and populations (S)
- 3 2 1 0 10. \_\_\_\_\_
- 3 2 1 0 11. \_\_\_\_\_

XI. Conservation of Natural Resources

- 3 2 1 0 1. Define conservation and provide examples of conservation practices affecting natural resources (E)
- 3 2 1 0 2. Identify the major destructive forces that contribute to soil erosion (S)
- 3 2 1 0 3. Explain the relationship between soil erosion and water pollution (S)
- 3 2 1 0 4. Describe some serious consequences that soil erosion imposes on wildlife resources (E)
- 3 2 1 0 5. Name the most common pollutants of water supplies
- 3 2 1 0 6. Discuss the effects of air pollution on wild animals (E)

- 3 2 1 0 7. Appraise the use of biotechnology as a tool in reclaiming damaged and polluted resources (E)
- 3 2 1 0 8. \_\_\_\_\_
- 3 2 1 0 9. \_\_\_\_\_

- 3 2 1 0 6. Perform end of year balances (M,L,C)
- 3 2 1 0 7. Complete an enterprise analysis (E,M,L,C)
- 3 2 1 0 8. \_\_\_\_\_
- 3 2 1 0 9. \_\_\_\_\_

XII. Careers in Wildlife and Fisheries Management

- 3 2 1 0 1. List some careers available in the fields of wildlife and fisheries management (C)
- 3 2 1 0 2. Describe the educational requirements for careers in wildlife and fisheries management (C)
- 3 2 1 0 3. Identify the characteristics of some wildlife and fisheries careers (E,C)
- 3 2 1 0 4. Explain the importance of careers in wildlife and fisheries management (E,C)
- 3 2 1 0 5. \_\_\_\_\_
- 3 2 1 0 6. \_\_\_\_\_

XIII. Taxidermy

- 3 2 1 0 1. Identify types of taxidermy forms (C,L)
- 3 2 1 0 2. Remove skin from an animal (C,L)
- 3 2 1 0 3. Prepare hide for tanning (C,L)
- 3 2 1 0 4. Apply tanned hide to the form (C,L)
- 3 2 1 0 5. Use finishing techniques to complete the animal (C,L)
- 3 2 1 0 6. \_\_\_\_\_
- 3 2 1 0 7. \_\_\_\_\_

XIV. FFA/SAE

- 3 2 1 0 1. List steps for improving the SAE (E)
- 3 2 1 0 2. Apply for chapter/district proficiency awards (E,L,C)
- 3 2 1 0 3. Examine goals and future plans for SAE (E,C)
- 3 2 1 0 4. Make arrangements for an SAE visitation by the instructor (E,C)
- 3 2 1 0 5. Demonstrate how to closeout a record book (M,L,C)