

# Jefferson City Public Schools–High School Curriculum

**SUBJECT:** Grade 10-12

**COURSE:** Conservation of Natural Resources

Objectives	Assessment/Evaluation	Instructional Activities
<p>(A) <b>Natural Resource Conservation</b></p> <ul style="list-style-type: none"><li>• Define and describe natural resource conservation</li><li>• Compare historical fish and wildlife trends and the public's response</li><li>• Outline the variety of jobs in conservation organizations, educational requirements, employment opportunities and how to prepare for a professional conservational career</li><li>• Distinguish the difference between basic fish and wildlife legalities and ethics</li></ul> <p><b>Performance: 1.4, 1.8, 1.10</b> <b>Knowledge: (CA) 4</b> <b>CACLE: LS.2.A</b> <b>NETS: 1b</b> <b>DOK: 3</b></p>	<p>Students will be:</p> <ul style="list-style-type: none"><li>• evaluated through a teacher created quiz at the conclusion of the unit</li><li>• assessed using a teacher created scoring guide</li></ul>	<ul style="list-style-type: none"><li>• Students will:<ul style="list-style-type: none"><li>• read from teacher provided text and complete worksheets</li><li>• create a poster showing what natural resources conservation means to them right now</li></ul></li><li>• The teacher will lead a lecture utilizing PowerPoint on natural resource conservation</li></ul>

Objectives	Assessment/Evaluation	Instructional Activities
<p>(B) <b>Fish and Wildlife Values</b></p> <ul style="list-style-type: none"> <li>• Calculate the commercial value of fish and wildlife resources and how it can benefit the economy and landowners</li> <li>• List the different recreational values of fish and wildlife resources</li> <li>• Describe the social values and benefits associated with fish and wildlife resources</li> <li>• Describe the esthetic value of fish and wildlife resources</li> <li>• Evaluate the negative impacts wild animals have on humans and the objective of wildlife damage control</li> </ul> <p><b>Performance: 1.6, 1.10</b>  <b>Knowledge: (CA) 3,4</b>  <b>SCCLE: SC4.1.D</b>  <b>NETS: 2b</b>  <b>DOK: 2</b></p>	<p>Students will be evaluated through a teacher created quiz at the conclusion of the unit</p>	<ul style="list-style-type: none"> <li>• Students will read from teacher provided text and complete worksheets</li> <li>• The teacher will lead a lecture utilizing PowerPoint on: <ul style="list-style-type: none"> <li>• commercial</li> <li>• recreational</li> <li>• social</li> <li>• esthetic</li> </ul> and the negative impacts wild animals have on humans</li> <li>• Guest speaker from MDC to discuss benefits</li> </ul>

Objectives	Assessment/Evaluation	Instructional Activities
<p>(C) <b>Habitat Management Principles and Techniques</b></p> <ul style="list-style-type: none"> <li>• Explain ecological principles and how they apply to fish and wildlife management</li> <li>• Design a cropland management plan for wildlife</li> <li>• Select grassland management practices that improve livestock forage and wildlife habitat</li> <li>• Assess how forest management can be used to improve wildlife habitat</li> <li>• Define and describe wetlands and their importance</li> <li>• Describe stream behavior and relate how it affects fish and wildlife habitat</li> <li>• Describe the government conservation assistance available to Missouri landowners</li> </ul> <p><b>Performance: 1.6, 3.5</b>  <b>Knowledge: (SC) 3</b>  <b>SCCLE: SC3.1.A</b>  <b>NETS: 2a,b</b>  <b>DOK: 4</b></p>	<ul style="list-style-type: none"> <li>• Students will be evaluated through a teacher created quiz at the conclusion of the unit</li> <li>• Created habitats will be assessed using a teacher created scoring guide</li> </ul>	<ul style="list-style-type: none"> <li>• Students will: <ul style="list-style-type: none"> <li>• read from teacher provided text and complete worksheets</li> <li>• create a habitat specific to a variety of species of their choice</li> </ul> </li> <li>• The teacher will lead a lecture utilizing PowerPoint on habitat management of various animals</li> <li>• A guest speaker from the USDA Conservation Assistants will speak on government programs specific to wildlife habitat management</li> </ul>
<p>(D) <b>Fish and Wildlife Protection</b> (If time allows)</p> <ul style="list-style-type: none"> <li>• Relate the reasons for fish and wildlife regulations and describe how they are made and enforced in Missouri</li> <li>• Describe the legal process associated with fish and wildlife violations</li> </ul> <p><b>Performance: 1.10, 3.5</b>  <b>Knowledge: (CA) 3,4</b>  <b>SCCLE: SC4.1.D</b>  <b>NETS: 2b</b>  <b>DOK: 4</b></p>	<ul style="list-style-type: none"> <li>• Students will be evaluated through a teacher created quiz at the conclusion of the unit</li> <li>• Research will be assessed by using a teacher created scoring guide</li> </ul>	<ul style="list-style-type: none"> <li>• Students will: <ul style="list-style-type: none"> <li>• read from teacher provided text and complete worksheets</li> <li>• conduct research utilizing the Internet and MDC resources on how regulations have changed over time</li> </ul> </li> <li>• The teacher will lead a lecture utilizing PowerPoint on wild life regulations</li> <li>• If possible, a conservation agent will speak on wildlife codes and enforcement</li> </ul>