

Wildlife Ecosystems Description and TEKS
Inside/Outside
2 - 2.5 hours

During the Wildlife Ecosystems class students will learn how the health of a habitat affects the flow of energy within an ecosystem and how energy is transferred within it. The role of producers and consumers and the directional travel of energy will be discussed. During the field study portion of the class, students will learn techniques to observe various animal patterns, creating a data table, and analyzing the results. Students will collect observational data in the wetland and create an energy pyramid based on their observations.



4th Grade TEKS (this is only a brief overview of what TEKS are covered)

The student uses scientific practices during laboratory and outdoor investigations; collect and record data by observing and measuring and using descriptive words and numerals such as labeled drawings, and concept maps; analyze data and interpret patterns to construct reasonable explanations from data that can be observed and measured. (2.B & D)

The student knows how to use a variety of tools, materials, equipment and models to conduct science inquiry. (4)

The student knows and understand that living organisms within an ecosystem interact with one another and with their environment; Investigate that most producers need sunlight, water, and carbon dioxide to make their own food, while consumers are dependent on other organisms for food; Describe the flow of energy through food webs, beginning with the sun, and predict how change in the ecosystem affect the food web. (9.A & B)

5th Grade TEKS (this is only a brief overview of what TEKS are covered)

The student uses scientific practices during laboratory and outdoor investigations; collect and record information using detailed observations and accurate measuring; analyze and interpret information to construct reasonable explanations from direct (observable) and indirect (inferred) evidence; construct appropriate simple graphs, tables, maps, and charts using technology, to organize, examine, and evaluate information. (2.C, D, & G)

Organisms and environments. The student knows that there are relationships, systems, and cycles within environments: observe the way organisms live and survive in their ecosystem by interacting with the living and nonliving components; describe the flow of energy within a food web, including the roles of the Sun, producers, consumers, and decomposers; predict the effects of changes in ecosystems caused by living organisms. (9.A & B)

