

**Middle School Wildlife Management Description and TEKS**  
**Inside/Outside**  
**3 – 3 ½ hours**



During the Wildlife Management (WM) class students will learn the relationships between wildlife, the environment and factors affecting the ecosystem. Biodiversity, interdependence, and population management will be discussed. Animal pelts and example tracks and scat will be used to learn about local wildlife resources. During the field study portion of the class, students will learn techniques to observe various animal patterns, creating a map illustrating the data found, and analyzing the results.

**6<sup>th</sup> Grade TEKS**

- The student, for at least 40% of instructional time, conducts laboratory and field investigations following safety procedures and environmentally appropriate and ethical practices. (1)
- The student knows how to use a variety of tools and safety equipment to conduct science inquiry. i.e. field guides, white boards (4.A)
- Organisms within these taxonomic groups share similar characteristics which allow them to interact with the living and nonliving parts of their ecosystem. (12)
- Describe biotic and abiotic parts of an ecosystem in which organisms interact. (12.E)
- Diagram the levels of organization within an ecosystem, including organism, population, community and ecosystem. (12.F)

**7<sup>th</sup> Grade TEKS**

- The student, for at least 40% of the instructional time conducts laboratory and field investigations following safety procedures and environmentally appropriate and ethical practices. (1)
- The student knows how to use a variety of tools and safety equipment to conduct science inquiry. (4)
- The student knows that there is a relationship between organisms and the environment. (10)
- The student is expected to observe and describe how different environments, including microhabitats in school yards and biomes, support different varieties of organisms. (10.A)
- The student is expected to describe how biodiversity contributes to the sustainability of an ecosystem. (10.B)
- The student is expected to examine organisms or their structures (11.A)
- The student is expected to explain variation within a population or species by comparing external features behaviors, or physiology of organisms that enhance their survival. (11.B)
- The student knows that living systems at all levels of organization demonstrate the complementary nature of structure and function. (12)

**8<sup>th</sup> Grade TEKS**

- The student, for at least 40% of instructional time, conducts laboratory and field investigations following safety procedures and environmentally appropriate and ethical practices. (1)
- The student knows how to use a variety of tools and safety equipment to conduct science inquiry. i.e. Binoculars, field guide, white boards (4.A)
- The student knows that interdependence occurs among living systems and the environment and that human activities can affect these systems. (11)
- Describe predator/prey as they occur in food webs within freshwater ecosystems. (11.A)