

Forestry, Wildlife and Fisheries

June 2021

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Forestry

- Identify the parts of a tree: limb, branch, root, leaf, trunk.
- Define the following terms: conifer, deciduous, fragmentation.
- List common components of soil.
- Describe the role that each of the following plays in soil: carbon, oxygen, nitrogen and phosphorous.
- Create a visual presentation of the life cycle of both conifers and deciduous trees across all four seasons.
- Compare and contrast a growing tree and a dormant tree.
- Identify direction and linear distance by using a compass and pacing.

Wildlife

- Define the following terms: wildlife, community, species, habitat, prey, predator, food chain and species diversity.
- List the characteristics of each of the basic groups of animals: mammals, fish, birds, reptiles, insects and amphibians.
- Understand that different animals require different types of habitats to survive, but all habitats include food, cover, water and room for the animal to live.
- Describe a common habitat for a given species.
- Describe the role species diversity plays in an ecosystem.
- Determine which wildlife animal finds their food, cover and water in the backyard setting.
- Identify common wildlife species of Tennessee and the food they eat.
- Recognize bird calls.



Fisheries

- Identify the basic parts or anatomy of a fish.
- Classify various bodies of water as either salt or fresh (oceans, seas, lakes, rivers and canals).
- Identify different species of fish found in your region of the state.
- Diagram the life cycle of a given fish species – egg, larval, fry, juvenile, adult, spawning.
- Define five common capture methods of fishing.
- Label the basic parts of a fishing rod.
- Identify types of bait used for various fishing techniques.
- Demonstrate safe practices when fishing.

Careers in Forestry, Wildlife and Fisheries

- Research a specific career in forestry, wildlife or fisheries.
- Research the skills and education needed to pursue a career in forestry, wildlife or fisheries.

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