

# Owl's Hill Nature Sanctuary

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## Owl's Hill Programs Supporting High School Curriculum Standards

	Aquatic Ecology	Butterfly Study	Forest Ecology	Interpretive Habitat Hike	Owls: Top of the Food Chain	Ridge Line Hike
<b>Tennessee State Curriculum Standards</b>						
<b>High School Classes</b>						
<b>Biology I</b>						
Standard 2-Interdependence CLE3210.2.1 investigate ecological community and interactions	X	X		X	X	X
Standard 3-Flow of Matter and Energy CLE3210.3.1 analyze energy flow through ecosystem	X			X	X	X
Standard 5-Biodiversity & Change CLE3210.5.1 associate adaptations w/ survival	X	X	X		X	
Standard 5-Biodiversity & Change CLE3210.5.2 analyze relationship between form & function	X	X			X	
<b>Biology II</b>						
Standard 2-Interdependence CLE3216.2.1 describe how stability of ecosystem is maintained				X		X
Standard 6-Comparative Anatomy & Physiology CLE3216.6.1 investigate unity/diversity of living things	X	X		X	X	
Standard 7-Botany CLE3216.7.1 describe different plant types based on anatomy & physiology			X	X		X
Standard 7-Botany CLE3216.7.2 investigate relationship between form & function for plant structures			X	X		X
Standard 7-Botany CLE3216.7.3 examine anatomical & physiological differences between plants, etc.			X	X		X
Standard 7-Botany CLE3216.7.4 describe the difference between plants & fungi			X	X		X
Standard 7-Botany CLE3216.7.5 investigate the impact of plants on humans			X	X		X
<b>Ecology</b>						
Standard 1-Individuals CLE3255.1.1 analyze strategies for classifying organisms	X	X	X			
Standard 1-Individuals CLE3255.1.2 identify organisms based on how they obtain energy	X			X		X
Standard 1-Individuals CLE3255.1.3 relate specific animal behaviors & plant tropisms to survival	X	X	X	X	X	X
Standard 1-Individuals CLE3255.1.4 investigate various approaches to maintain biodiversity	X	X		X	X	X
Standard 2-Populations CLE3255.2.1 cite examples of populations limited by natural factors, humans		X			X	
Standard 3-Communities CLE3255.3.1 explain ecological niches within various habitats	X	X	X		X	
Standard 4-Ecosystems CLE3255.4.3 evaluate the process of succession			X	X		X
Standard 4-Ecosystems CLE3255.4.4 summarize the human impact on ecosystems	X			X		X
Standard 4-Ecosystems CLE3255.4.5 describe how biodiversity relates to stability of an ecosystem.	X			X		X
Standard 6-Humans & Sustainability CLE3255.6.1 investigate role of public lands in biodiversity				X		X
<b>Environmental Science</b>						
Standard 2-The Living World CLE3260.2.2 discuss roles of biodiversity & co-evolution in ecosystems				X		X
Standard 4-Water & Land Resources CLE3260.4.1 examine common resource use practices	X					
Standard 6-Waste Production & Pollution CLE3260.6.1 investigate causes/effects for controlling pollution	X					
<b>Forestry</b>						
Standard 3 the student will analyze methods of tree growth & identification of forest trees			X			X