

White County High School
Grades: 9th - Environmental Science & Environmental Science Honors

Tennessee Academic Standards found [here](#).
 TN Environmental Science Standards found [here](#).
 White County Board Policy [4.400](#) - Instructional Materials

State-Approved Curriculum: [Savvas - TN Environmental Science](#)

First Nine Weeks (Q1 or Q3)			
<u>Objectives/Topics Covered</u>	<u>Standards</u>	<u>Materials and Resources</u>	<u>Major Assignments / Hands-On Learning</u>
Species Interaction, Ecological Communities, and Community Stability	- EVSC.LS2.4 - EVSC.LS2.5	- Savvas Textbook - Notes	- Biology in a box - Rice Relay - Net Primary Productivity
Terrestrial and Aquatic Biomes and Ecosystems	- EVSC.LS2.1 - EVSC.LS2.2 - EVSC.ESS2.4	- Savvas Textbook - Notes	- Mapping Kelp Forests - Climatograms
Biogeochemical Cycles and Earth's Spheres	- EVSC.LS2.4 - EVSC.LS2.6 - EVSC.ESS2.5	- Savvas Textbook - Notes	- Ocean Acidification Inquiry - Modeling Effects of Greenhouse Gases
Biodiversity	- EVSC.LS2.2 - EVSC.LS4.1 - EVSC.LS4.2 - EVSC.LS4.3 - EVSC.LS4.4 - EVSC.ESS3.9	- Savvas Textbook - Notes	- Biodiversity of Beans - Transect & Quadrat - Island Biogeography Activity - Natural Selection Lab - Real Data: Endangered Species - Adaptations Project - Model Group Behavior Lab
Describing Populations, Population Growth, Trends in Human Population Growth,	- EVSC.LS2.3 - EVSC.ESS3.2 - EVSC.ESS3.3	- Savvas Textbook - Notes	- Carrying Capacity Lab - Cemetery Lab - Age Structure - Take it Local: Human

Predicting Population Growth, and People and Their Environments			Population Trends Map it: Comparing Ecological Footprints
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Second Nine Weeks (Q2 or Q4)			
<u>Objectives/Topics Covered</u>	<u>Standards</u>	<u>Materials and Resources</u>	<u>Major Assignments</u>
Our Dynamic Climate, Climate Change, Earth's Spheres, Natural Disasters, Pollution of the Atmosphere, and Minerals and Rocks	- EVSC.ESS2.1 - EVSC.ESS2.2 - EVSC.ESS2.3 - EVSC.ESS2.6	- Savvas Textbook - Notes	- Coriolis Effect Lab - Convection Currents Lab - Graph it: Atmospheric Carbon Dioxide and Temperature Change - Biomagnification/Bioaccumulation Lab
Forests and Their Resources, Forest Management	- EVSC.ESS3.5 - EVSC.ESS3.14	- Savvas Textbook - Notes	- Environmental Laws through Research and the Lorax - Carbon Sequestration Lab
Soil, Soil Degradation, Agriculture, and Food Production	- EVSC.ESS2.6 - EVSC.ESS3.5 - EVSC.ESS3.6 - EVSC.ESS3.7 - EVSC.ESS3.8 - EVSC.ESS3.13	- Savvas Textbook - Notes	- Soil Nutrients Testing - Soil Compaction Lab - Soil Erosion Lab - In Your Neighborhood: Local Planting Conditions
Mining, Mining Impacts and Regulations	- EVSC.ESS3.5 - EVSC.ESS3.6	- Savvas Textbook - Notes	- Cookie Mining Lab - Virtual Mining Lab
Earth: The Water Planet, Uses of Fresh Water,	- EVSC.ESS3.5 - EVSC.ESS3.13	- Savvas Textbook - Notes	- Sustainability Lab - Water Quality Testing

Water Pollution	EVSC.ESS2.5		Lab • Take it Local: Local Land Use
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