



ALLEN ACADEMY

Environmental Science		
First Trimester	Second Trimester	Third Trimester
<p>Unit 1: Introduction of Environmental Problems</p> <ul style="list-style-type: none">- What are our conditions now and how do we achieve sustainability? <p>Unit 2: Global Climate Change</p> <ul style="list-style-type: none">- Economics, Politics, Ethics, and the Changing Environment <p>Unit 3: Global Changes</p> <ul style="list-style-type: none">- Loss of biodiversity – endangered plants and animals- Global Warming and Ozone Depletion – causes and solutions <p>Unit 4: Matter and Energy Resources</p> <p>Unit 5: Living World: Ecosystems and Ecosystem Processes</p> <ul style="list-style-type: none">- Dynamics, food chains and webs, and flow of energy, biomes	<p>Unit 6: Earth Systems and Resources</p> <ul style="list-style-type: none">- Earth Science – plate tectonics, the rock cycle, weathering and erosion, volcanoes and earthquakes, natural disasters, mining and minerals <p>Unit 7: Conserving Animal Diversity</p> <ul style="list-style-type: none">- Human encroachment and sustainable management <p>Unit 8: Population Studies</p> <ul style="list-style-type: none">- Population Biology and Dynamics – What causes changes in ecosystems- Human Population – Demography and population distribution	<p>Unit 9: Energy Resources and Consumption</p> <ul style="list-style-type: none">- Renewable Energy – alternative sources of energy- Nonrenewable Energy – energy consumption and conservation issues <p>Unit 10: Pollution</p> <ul style="list-style-type: none">- Human Health – Toxic and hazardous substances, diseases and risk analysis <p>Unit 11: Land and Water Use</p> <p>Unit 12: Land and Water Management</p> <ul style="list-style-type: none">- Use, conservation, problems, and wilderness <p>Unit 13: Food Production</p> <ul style="list-style-type: none">- Biological, physical, and social boundaries <p>Unit 14: Economics, Politics, Ethics and the Environment</p> <ul style="list-style-type: none">- Dealing with environmental policy, problem solving, and environmental education
Instructional Resources:		
<ul style="list-style-type: none">• Online Text		