



# ALLEN ACADEMY

Environmental Science 2017-2018		
First Trimester	Second Trimester	Third Trimester
<p>Unit 1: Introduction of Environmental Problems</p> <ul style="list-style-type: none"><li>- What are our conditions now and how do we achieve sustainability?</li></ul> <p>Unit 2: Global Climate Change</p> <ul style="list-style-type: none"><li>- Economics, Politics, Ethics, and the Changing Environment</li></ul> <p>Unit 3: Global Changes</p> <ul style="list-style-type: none"><li>- Loss of biodiversity – endangered plants and animals</li><li>- Global Warming and Ozone Depletion – causes and solutions</li></ul> <p>Unit 4: Matter and Energy Resources</p> <p>Unit 5: Living World: Ecosystems and Ecosystem Processes</p> <ul style="list-style-type: none"><li>- Dynamics, food chains and webs, and flow of energy, biomes</li></ul>	<p>Unit 6: Earth Systems and Resources</p> <ul style="list-style-type: none"><li>- Earth Science – plate tectonics, the rock cycle, weathering and erosion, volcanoes and earthquakes, natural disasters, mining and minerals</li></ul> <p>Unit 7: Conserving Animal Diversity</p> <ul style="list-style-type: none"><li>- Human encroachment and sustainable management</li></ul> <p>Unit 8: Population Studies</p> <ul style="list-style-type: none"><li>- Population Biology and Dynamics – What causes changes in ecosystems</li><li>- Human Population – Demography and population distribution</li></ul>	<p>Unit 9: Energy Resources and Consumption</p> <ul style="list-style-type: none"><li>- Renewable Energy – alternative sources of energy</li><li>- Nonrenewable Energy – energy consumption and conservation issues</li></ul> <p>Unit 10: Pollution</p> <ul style="list-style-type: none"><li>- Human Health – Toxic and hazardous substances, diseases and risk analysis</li></ul> <p>Unit 11: Land and Water Use</p> <p>Unit 12: Land and Water Management</p> <ul style="list-style-type: none"><li>- Use, conservation, problems, and wilderness</li></ul> <p>Unit 13: Food Production</p> <ul style="list-style-type: none"><li>- Biological, physical, and social boundaries</li></ul> <p>Unit 14: Economics, Politics, Ethics and the Environment</p> <ul style="list-style-type: none"><li>- Dealing with environmental policy, problem solving, and environmental education</li></ul>
<b>Instructional Resources:</b>		
<ul style="list-style-type: none"><li>• Online Text</li></ul>		