

Expectations and Outcomes

Grade Level/Course: 11-12

Content Area: Science

Unit Title	Guarantees
Unit 1: Sustainability	<p>The course provides instruction in Earth Systems. The course provides instruction in Earth Resources. The course provides instruction in Global Change. The course provides students with the scientific principles required to understand the interrelationships of the natural world and draws upon various scientific disciplines. The course includes methods for analyzing and interpreting information. The course includes methods for analyzing and interpreting experimental data. The course includes methods for analyzing and interpreting mathematical calculations. The course includes a laboratory and/or field investigation component. A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 2: Water Resources	<p>The course provides instruction in Earth Systems. The course provides instruction in Earth Resources. The course provides instruction in Land Use. The course provides instruction in Water Use. The course provides instruction in Global Change. The course provides students with the scientific principles required to understand the interrelationships of the natural world and draws upon various scientific disciplines. The course includes methods for analyzing and interpreting information. The course includes methods for analyzing and interpreting experimental data. The course includes methods for analyzing and interpreting mathematical calculations. The course includes a laboratory and/or field investigation component. A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 3: Ecosystem Ecology	<p>The course provides instruction in the Living World. The course provides instruction in Population.</p>

Unit Title	Guarantees
	<p>The course provides students with the scientific principles required to understand the interrelationships of the natural world and draws upon various scientific disciplines.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>The course includes methods for analyzing and interpreting mathematical calculations.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 4: Evolution and Biodiversity	<p>The course provides instruction in Earth Resources.</p> <p>The course provides instruction in the Living World.</p> <p>The course provides students with the scientific principles required to understand the interrelationships of the natural world and draws upon various scientific disciplines.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>The course includes methods for analyzing and interpreting mathematical calculations.</p> <p>The course teaches students how to identify and analyze environmental problems.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 5: Climate Biomes and Land Use	<p>The course provides instruction in Earth Resources.</p> <p>The course provides instruction in Land Use.</p> <p>The course provides instruction in Water Use.</p> <p>The course provides instruction in Global Change.</p> <p>The course provides students with the scientific principles required to understand the interrelationships of the natural world and draws upon various scientific disciplines.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>The course includes methods for analyzing and interpreting mathematical calculations.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 6: Earth Systems and Resource Distribution	<p>The course provides instruction in Earth Resources.</p> <p>The course provides instruction in Land Use.</p>

Unit Title	Guarantees
	<p>The course provides instruction in Water Use.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>The course includes methods for analyzing and interpreting mathematical calculations.</p> <p>The course teaches students how to identify and analyze environmental problems.</p> <p>The course teaches students how to critically examine various solutions for resolving or preventing environmental problems by evaluating the associated ecological risks and human health risks.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork</p>
Unit 7: Human Population and Food Resources	<p>The course provides instruction in Population.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>mathematical calculations.</p> <p>The course teaches students how to identify and analyze environmental problems.</p> <p>The course teaches students how to critically examine various solutions for resolving or preventing environmental problems by evaluating the associated ecological risks and human health risks.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 8: Waste and Toxicity	<p>The course provides instruction in Population.</p> <p>The course provides instruction in Pollution.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>The course includes methods for analyzing and interpreting mathematical calculations.</p> <p>The course teaches students how to identify and analyze environmental problems.</p> <p>The course teaches students how to critically examine various solutions for resolving or preventing environmental problems by evaluating the associated ecological risks and human health risks.</p> <p>The course includes a laboratory and/or field investigation component.</p>

Unit Title	Guarantees
	A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork
Unit 9: Energy	<p>The course provides instruction in Energy Resources.</p> <p>The course provides instruction in Energy Consumption.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>The course includes methods for analyzing and interpreting mathematical calculations.</p> <p>The course teaches students how to identify and analyze environmental problems.</p> <p>The course teaches students how to critically examine various solutions for resolving or preventing environmental problems by evaluating the associated ecological risks and human health risks.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork.</p>
Unit 10: Air Pollution and Climate Change	<p>The course provides instruction in Pollution.</p> <p>The course provides instruction in Global Change.</p> <p>The course provides students with the scientific principles required to understand the interrelationships of the natural world and draws upon various scientific disciplines.</p> <p>The course includes methods for analyzing and interpreting information.</p> <p>The course includes methods for analyzing and interpreting experimental data.</p> <p>mathematical calculations.</p> <p>The course teaches students how to identify and analyze environmental problems.</p> <p>The course teaches students how to critically examine various solutions for resolving or preventing environmental problems by evaluating the associated ecological risks and human health risks.</p> <p>The course includes a laboratory and/or field investigation component.</p> <p>A minimum of one class period, or its equivalent, per week is spent engaged in laboratory and/or fieldwork</p>