

## UNIT 1 – History of Environmentalism

			U1D1 1/25	U1D2 1/26	U1D3 1/27
Objective			Define environmental science. Understand the principles of sustainability.	Explain how human impact can disrupt the environment. Explain the steps for experimental design.	Develop well-planned hypotheses. Create a testable hypothesis and experiment through experimental design.
Quiz/Test			<b>Unit 1 Pre-Test</b>		
Skill Building			<p><b>Warm-up:</b> Sustainability Questions</p> <p><b>Introduction:</b> handouts, study guides, summer assignment, lab safety</p> <p><b>Assessment:</b> Unit 1 Pre-Test</p> <p><b>Notes:</b> What is Environmental Science</p>	<p><b>Warm-up:</b> Math Review</p> <p><b>Discussion:</b> EACs</p> <p><b>Video:</b> <a href="#">Vanishing Frogs</a></p> <p><b>Activity:</b> Vanishing Frogs</p> <p><b>Assignment:</b> Name Droppers Posters</p> <p><b>Notes:</b> Experimental Design</p>	<p><b>Warm-Up:</b> Hypothesis Practice</p> <p><b>Discussion:</b> Final Project</p> <p><b>Activity:</b> Hypotheses &amp; Experimental Design WS</p> <p><b>Lab:</b> Soil Characteristics on Plant Growth; Experimental Design (Hypothesis, IV, DV, Control)</p> <p><b>Review:</b> Environmental Law Matching Cards</p>
Handouts & Materials			Syllabus Outside Permission Form Lab Safety Form Unit 1 Pre-Test	EAC sheet Name Droppers Sheet/Rubric Dice	Hypothesis Worksheet Lab Handout (manual) Soils Styrofoam
Reading:			Ch 2 Section 1 (pg. 29-35) & Supplement 1 (S2-S3)	Ch 1 Section 1-3 (pg. 6-16)	Ch 1 Section 4-6 (pg. 16-24) Ch 5 Section 3 (pg. 108-115)
Homework:			Signed Forms Unit 1 Study Guide	Name Droppers	
Due Dates:					<b>Signed Forms</b>

	U1D4 1/30	U1D5 1/31	U1D6 2/1	U1D7 2/2	U1D8 2/3
Objective	Calculate a population using tag and release method. Explain population trends for any given species. Differentiate between r- & k-selected species.	Define sustainability as related to environmental resource availability. Differentiate between the environmental viewpoints.	Identify specific environmentalists and explain their contribution to the science community. Calculate individual ecological footprints and identify ways of improving need for Earth's resources.	Explain the history of environmental science with relation to the human population. Define tragedy of the commons.	Illustrate the geologic time scale and identify key events within Earth's history.
Quiz/Test	<b>Reading Quiz</b>			<b>Unit 1 Post-Test</b>	<b>Unit 1 Test</b>
Skill Building	<b>Assessment:</b> Reading Quiz <b>Activity:</b> Tag & Recapture <b>Discussion:</b> Tagging Programs <b>Notes:</b> Population Dynamics <b>Activity:</b> Survivorship Curve w/ Bubbles (if time)	<b>Warm-Up:</b> Population Dynamics <b>Discussion:</b> FRQs & Hints <b>Activity:</b> Free-Response Practice ( <i>Oil Spill 2015 Q3</i> ) <b>Notes:</b> Environmental Sustainability <b>Activity:</b> "What is your environmental viewpoint?"	<b>Warm-up:</b> Easter Island Case Study Questions <b>Activity:</b> Name-Droppers Gallery Walk <b>Notes:</b> Ecological Footprints & Footprint WS <b>Discussion:</b> Ecological Footprints	<b>Review:</b> Environmentalist Matching Cards <b>Assessment:</b> Unit 1 Post-Test <b>Activity:</b> Tragedy of the Commons Game <b>Reading/Discussion:</b> Tragedy of the Commons (Jigsaw) <b>Video:</b> Tragedy of the Commons <b>Notes:</b> History of Environmental Science	<b>Review:</b> Environmental History Matching <b>Assessment:</b> Unit 1 Test Multiple Choice <b>Activity:</b> Geologic Time Scale
Handouts & Materials	Reading Quiz Tag & Recapture Sheet Cups Beans (dark & light) Bubbles Survivorship Curve Sheet	FRQ Hint Sheet Free-Response Prompt Rubric for FRQ Viewpoint Questions	Easter Island Case Study (lab manual) Name-Droppers Rubric Ecological Footprint WS	Unit 1 Post-test Straws Bowls Goldfish Matching Activity	Unit 1 Test Scantrons
Reading:	Ch 25 Sections 1-3 (pg. 661-672)	Easter Island Case Study	Supplement 5 (pg. S31-38)		Ch 4 Section 3 (pg. 84-86) Ch 14 Section 1 (pg. 345-353)
Homework:					Summer Assignment Due Tuesday
Due Dates:			<b>Name-Droppers Poster</b>		<b>Study Guide</b>