

**CELF Summer Institute**  
**Middle and High School Curriculum Library Index:**

Middle School	Interdisciplinary (INT)	Science (SCI)	Social Studies (SS)	Math (M)	ELA (E)	Other
<b>6<sup>th</sup> Grade</b>	<ul style="list-style-type: none"> <li>➤ Environmental Responsibility Contributing to a Sustainable World</li> </ul>	<ul style="list-style-type: none"> <li>❖ Sustainability Plan: Scientific Inquiry               <ul style="list-style-type: none"> <li>• Year Plan</li> <li>• Unit Makeover</li> <li>• Implementation Report</li> </ul> </li> <li>❖ Education for Sustainability (EfS)               <ul style="list-style-type: none"> <li>• EfS Introductory Unit</li> <li>• EfS Rationale &amp; Explanation</li> </ul> </li> <li>➤ Ecology</li> <li>➤ Ecology. Special Ed</li> </ul>			<ul style="list-style-type: none"> <li>❖ EfS: Understanding Actions, Consequences &amp; Behaviors               <ul style="list-style-type: none"> <li>• Lesson Plan</li> <li>• Graphic Organizer</li> </ul> </li> </ul>	
<b>7<sup>th</sup> Grade</b>	<ul style="list-style-type: none"> <li>➤ Forest Drinking Water: An Ecoliteracy Tale</li> </ul>	<ul style="list-style-type: none"> <li>➤ Earth Science 7/8: Man, Mining &amp; Sustainability</li> <li>➤ Life Science: Needs of Living Things</li> </ul>		<ul style="list-style-type: none"> <li>➤ Ecological Footprint: Scatter Plots</li> <li>❖ Energy Audit Project: Energy Efficiency in your Home               <ul style="list-style-type: none"> <li>• Lesson Overview and Introduction</li> <li>• Project</li> <li>• Handout &amp; Rubric</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>❖ Literature Lesson w/ EfS Standards               <ul style="list-style-type: none"> <li>• Let the Circle be Unbroken</li> <li>• Project Utopia: The Giver</li> <li>• The Pearl (Lesson 1)</li> <li>• The Pearl (Lesson 2)</li> <li>• Addendum &amp; Lesson Notes</li> </ul> </li> </ul>	

TABLE KEY:

- Individual Lesson/Unit
- ❖ Folder Name
- Associated Contents

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7 <sup>th</sup> Grade (continued)				❖ The Systems of Equations - Energy Costs <ul style="list-style-type: none"> <li>• Standards &amp; Lesson Plan</li> <li>• Handout &amp; Homework</li> </ul>		
8 <sup>th</sup> Grade	❖ Enrichment Course: Commons/Interdependence <ul style="list-style-type: none"> <li>• Curriculum Map</li> <li>• Background &amp; Parameters</li> <li>• Essential Understandings</li> <li>• Ecological Footprint</li> <li>• Framework. EfS</li> </ul> <p>➤ Framework for Sustainability Education</p> <p>➤ Sustainability Seminar (CO<sub>2</sub> Inventory)</p>	➤ Earth Science 7/8: Man, Mining & Sustainability	❖ The Columbian Encounter <ul style="list-style-type: none"> <li>• Columbus Comparison Essay Assignment</li> <li>• Columbus Controversy Project</li> <li>• Columbian Encounter Lesson Plan</li> <li>• Sustainability Journals</li> <li>• World in 1492 Essay Assignment</li> <li>• World in 1492 Article</li> </ul>	❖ Energy Audit Project: Energy Efficiency in your Home <ul style="list-style-type: none"> <li>• See 7<sup>th</sup> Grade</li> </ul> ❖ The Systems of Equations -Energy Costs <ul style="list-style-type: none"> <li>• See 7<sup>th</sup> Grade</li> </ul>		➤ ART Metamorphosis of Biomimicry ➤ PE Challenge & Systems Thinking ➤ SPAN Maintain the Earth Project

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<b>9<sup>th</sup> Grade</b>		<ul style="list-style-type: none"> <li>❖ ENV Living Environment               <ul style="list-style-type: none"> <li>• Unit 1 Pop, Food Chains, Cycles</li> <li>• Unit 2 Environmental Impact on Genetics/Biotech</li> <li>• Unit 3 Photo-synthesis, Biological Systems, Nutrition</li> <li>• Skills Key</li> <li>• Unit 7 Renewable Resources – Human Impact</li> </ul> </li> <li>❖ PHYS 9 Unit: Energy               <ul style="list-style-type: none"> <li>• Energy Lesson</li> <li>• Energy Unit Outline</li> </ul> </li> </ul>			<ul style="list-style-type: none"> <li>➤ Eng 9/10 Teaching Charles Dickens <i>Great Expectations</i></li> </ul>	<ul style="list-style-type: none"> <li>❖ Wellness               <ul style="list-style-type: none"> <li>• A Global Perspective on Nutrition &amp; Fitness. Unit 1</li> <li>• A Global Perspective on Nutrition &amp; Fitness. Unit 2</li> </ul> </li> </ul>
<b>10<sup>th</sup> Grade</b>		<ul style="list-style-type: none"> <li>➤ Pre-Service Human Impact Unit</li> <li>➤ Batteries &amp; Electromagnetics</li> <li>❖ Regents &amp; Honors Chem               <ul style="list-style-type: none"> <li>• 10-11 10 Intro &amp; Overview</li> <li>• 10-11 Biodiesel Unit</li> <li>• 10-11 Bioplastics Unit</li> <li>• 10-11 Foul Water Investigation</li> <li>• 10-11 Organic Food Unit</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>❖ Intermediate Level: EFS in Spanish Lit               <ul style="list-style-type: none"> <li>• Cajas de Carton</li> <li>• Pongase en la Onda Verda</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ Eng 9/10 Teaching Charles Dickens <i>Great Expectations</i></li> <li>➤ Reframing Curriculum: <i>The Joy Luck Club</i> Lesson</li> </ul>	

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<b>11<sup>th</sup> Grade</b>	➤ Post AP Tests -Service Learning Project	❖ Regents & Honors Chem • See 10 <sup>th</sup> Grade  ➤ 11-12 Thinking About Water - Unit Makeover Report		❖ Intermediate Level: Efs in Spanish Lit • Cajas de Carton • Pongase en la Onda Verda	➤ ELA: Nature & Industry: In Wordsworth's <i>Tintern Abbey</i>  ➤ Think About Sustainability through Literature	
<b>12<sup>th</sup> Grade</b>	➤ Post AP Tests -Service Learning Project	➤ 11-12 Thinking About Water - Unit Makeover Report ➤ ENV Food & Sustainability ➤ ENV Water Unit Makeover Report	➤ SS Industrial Revolution		➤ ELA: Nature & Industry: Wordsworth's <i>Tintern Abbey</i>	
<b>Multi-Grade</b> (continued)	➤ Green Studies & Sustainability Major Course Sequence Map  ➤ Unit Plan for Sustainability Seminar (CO2 Inventory)	➤ Pre-Service Science Reflection Essay  ➤ 9-12 Nutrients in an Estuary Lesson  ❖ 9-12 ENV SCI Multi-Units • Earth Atmosphere: The Mysterious Gas (CO2) • Earth Atmosphere: Ethics Assignment/ Collage			➤ 9-12 Reframing Curriculum: Sustainability Lens	➤ Post AP Tests Service Learning Project  ➤ Green Studies & Sustainability Major

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<b>Multi-Grade</b>		<ul style="list-style-type: none"> <li>❖ 9-12 ENV SCI Multi-Units (continued)               <ul style="list-style-type: none"> <li>• Earth Atmosphere: Enviro Ethics Rubric</li> <li>• Earth Atmosphere: Lifecycle Assignment</li> <li>• Earth Atmosphere: Lifecycle Rubric</li> <li>• Humans in the Environment: Lifecycle</li> <li>• Humans in the Environment: World Culture Background</li> </ul> </li> </ul>				
<b>Curriculum Map</b>	➤ Green Studies & Sustainability Major Course Sequence Map					
<b>Electives</b>	<ul style="list-style-type: none"> <li>❖ 9<sup>th</sup> GRADE Elective Course-Four Units               <ul style="list-style-type: none"> <li>• Fuel-Food, Fuel-Source of Power, Consumption-In Home, Consumption-In the Community</li> </ul> </li> <li>❖ 11/12 Sust Elective               <ul style="list-style-type: none"> <li>• Unit 1-Eco Footprint</li> <li>• Unit 2-Lifecycle Assessment</li> <li>• Unit 3-Food Systems</li> <li>• Unit 4-Energy</li> <li>• Unit 5-Sustainable Design</li> </ul> </li> </ul>					

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