



## Celebrate Earth! Unit Third, Fourth and Fifth Grades

<b>Safe &amp; Challenging Community</b>		
Lesson	Iowa/ Common Core Concepts	Clean & Green Grade Level & Subject
Creating a Neighborhood Map	<p><b>Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit-</b></p> <ul style="list-style-type: none"> <li>• <b>4.MD.A.2</b> Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.</li> </ul>	<p><a href="#">4th Grade</a> Math</p>
Investigation Bulletin Board	<p><b>SS.3-5.PSCI.1 Understand the rights and responsibilities of each citizen and demonstrate the value of lifelong civic action.</b></p> <ul style="list-style-type: none"> <li>• Understand why civic responsibility is important and know examples of civic responsibility.</li> <li>• Understand opportunities for leadership and public service in the student's own classroom, school, community, state, and the nation.</li> <li>• Understand the importance of voluntarism as a characteristic of American society.</li> </ul>	<p><a href="#">3rd Grade</a> 21<sup>st</sup> Century</p>
Mapping for Ecology	<p><b>Civic Literacy SS.3-5.PSCI.1 Understand the rights and responsibilities of each citizen and demonstrate the value of lifelong civic action.</b></p> <ul style="list-style-type: none"> <li>• Understand opportunities for leadership and public service in the student's own classroom, school, community, state, and the nation.</li> </ul>	<p><a href="#">3rd Grade</a> 21<sup>st</sup> Century</p>
Assertion Jar	<p><b>Behavioral Sciences</b> <b>SS.3-5.BS.2 Understand the influences on individual and group behavior and group decision-making.</b></p>	<p><a href="#">3rd Grade</a> Social Studies</p>

<b>Art Activities</b>		
<b>Lesson</b>	<b>Iowa/ Common Core Concepts</b>	<b>Clean &amp; Green Grade Level &amp; Subject</b>
Native American Parfleche	<b>RL.4.9.</b> Compare and contrast the treatment of similar themes and topics (e.g., opposition of good and evil) and patterns of events (e.g., the quest) in stories, myths, and traditional literature from different cultures.	<a href="#">4th Grade</a> Literacy
Photo Reflections	<b>W.3.1</b> Write informative/explanatory texts to examine a topic and convey ideas and information clearly.	<a href="#">3rd Grade</a> Literacy
Mapping the Route from Home to School	<b>RI.4.9.</b> Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.	<a href="#">4th Grade</a> Literacy
The Pledge Tree	<b>Civic Literacy-SS.3-5.PSCI.1 Understand the rights and responsibilities of each citizen and demonstrate the value of lifelong civic action.</b> Understand why civic responsibility is important and know examples of civic responsibility.	<a href="#">5th Grade</a> 21 <sup>st</sup> Century
Making an Impression	<b>5-PS1-3 Make observations and measurements to identify materials based on their properties. 5-PS1-4 Conduct an investigation to determine whether the mixing of two or more substances results in new substances.</b> <b>S.3-5.SI.3 Plan and conduct scientific investigations.</b> Students should engage in systematic observation, making accurate measurements, and identifying and controlling variables. Follow appropriate safety procedures when conducting investigations	<a href="#">5th Grade</a> Science
Making & Using a Rain Gauge for Math	<b>4.MD.A.3 Apply the area and perimeter formulas for rectangles in real world and mathematical problems.</b> <i>For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.</i>	<a href="#">4th Grade</a> Math
Making a Sundial	<b>4-PS3-4</b> Apply scientific ideas to design, test, and refine a device that converts energy from one form to another. <b>S.3-5.SI.3 Identify &amp; generate questions that can be answered through scientific investigations.</b> Students recognize that different questions lead to different types of investigations.	<a href="#">4th Grade</a> Science

<b><u>Fun Stuff</u></b>		
<b>Lesson</b>	<b>Iowa/ Common Core Concepts</b>	<b>Clean &amp; Green Grade Level &amp; Subject</b>
Food Around the World	<p><b>SS.3-5.BS.2 Understand the influences on individual and group behavior and group decision-making.</b> Understand that people involved in a dispute often have different points of view. Understand that communicating different points of view in a dispute can often help people to find a satisfactory compromise.</p> <p><b>SS.3-5.BS.5 Understand current social issues to determine how the individual formulates opinions and responds to issues</b> Understand that the way a person views an issue reflects personal beliefs, experiences, and attitudes.</p> <p><b>S.3-5.SI.1 Identify and generate questions that can be answered through scientific investigations</b></p>	<a href="#">4th Grade</a> Social Studies
Earth Cycle of Life	<p><b>W.3.1</b> Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p>	<a href="#">3rd Grade</a> Literacy
Design & Cook with Solar Ovens	<p><b>3.MD.C.5 Recognize area as an attribute of plane figures and understand concepts of area measurement.</b> A square with side length 1 unit, called "a unit square," is said to have "one square unit" of area, and can be used to measure area. A plane figure which can be covered without gaps or overlaps by n unit squares is said to have an area of n square units.</p>	<a href="#">3rd Grade</a> Mathematics
Environmental Heroes	<p><b>Reading Informational Texts</b></p> <p><b>RI.5.3.</b> Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.</p> <p><b>RI.5.7.</b> Draw evidence from literary or informational texts to support analysis, reflection, and research.</p>	<a href="#">5th Grade</a> Literacy
Photosynthesis, Oh the Drama!	<p><b>S.3-5.SI.3 Plan and conduct scientific investigations.</b> Students should engage in systematic observation, making accurate measurements, and identifying and controlling variables.</p>	<a href="#">5th Grade</a> Science

## Critters, Plants & Wandering

Lesson	Iowa/ Common Core Concepts	Clean & Green Grade Level & Subject
Greens and Browns of Composting	<p><b>Science 4-LS1-1 Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.</b></p> <p><b>Science Inquiry S.3-5.SI.3 Plan and conduct scientific investigations</b> Students should engage in systematic observation, making accurate measurements, and identifying and controlling variables. Students follow appropriate safety procedures when conducting investigations.</p>	<a href="#">4<sup>th</sup> Grade</a> Science
Plants Protect Us!	<p><b>S.3-5.SI.2 Recognize that scientists perform different types of investigations.</b> Types of investigations include describing objects, events, and organisms; classifying them; and doing a fair test (experimenting), depending on the types of questions they want to answer.</p>	<a href="#">3<sup>rd</sup> Grade</a> Science
You Rock!	<p><b>Text Types &amp; Purposes- W.3.1</b> Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p> <p><b>Research to Build &amp; Present Knowledge-W.3.7</b> Conduct short research projects that build knowledge about a topic.</p>	<a href="#">3<sup>rd</sup> Grade</a> Literacy
Investigation through Geocaching	<p><b>Civic Literacy-SS.3-5.PSCI.1 Understand the rights and responsibilities of each citizen and demonstrate the value of lifelong civic action.</b> Understand opportunities for leadership and public service in the student’s own classroom, school, community, state, and the nation.</p> <p><b>Physical Education Standard 7:</b> Understands that physical activity provides opportunities for enjoyment, challenge, self-expression, and social interaction.</p>	<a href="#">5<sup>th</sup> Grade</a> 21 <sup>st</sup> Century
Creating a Neighborhood Map	<p><b>Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit</b></p>	<a href="#">4<sup>th</sup> Grade</a> Math