It's Ours: How Do We Use This Land?
Students learn about how European colonists and Native Americans viewed and used the environment through completing a Venn diagram and creating if/then statements.

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<th>Author</th>
<th>Patricia Hutchinson</th>
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<td>Duration</td>
<td>1 class periods</td>
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<td>ELEMENT FIVE: ENVIRONMENT AND SOCIETY</td>
<td>CONCEPT 5 Environment and Society</td>
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<td>14. How human actions modify the physical environment.</td>
<td>GRADE 4 PO 1 Describe human dependence on the physical environment and natural resources to satisfy basic needs.</td>
<td>CONCEPT 2: Logic, Reasoning, Arguments, and Mathematical Proof</td>
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<td>GRADE 5 PO 4 Describe the ways European colonists and Native Americans viewed, adapted and used the environment.</td>
<td>GRADES 4 PO 2 Identify simple valid arguments using if/then statements based on graphic organizers (e.g., 3-set Venn diagrams and pictures).</td>
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Overview
When the Puritans, Pilgrims, and other European colonists landed on the shores of North and South America, they brought with them attitudes and beliefs about the environment that were often different from those of the Native Americans already settled in these areas. The differences in belief ranged from “very different” to “some ideas” in common. This lesson uses if/then statements to graphically illustrate understanding of a wide range of beliefs.

Purpose
Students will learn about how European colonists and the American Indians viewed and used the environment through completing a Venn diagram and creating if/then statements.

Materials
- Paper, pencil
- Notes about Colonial Attitudes Toward the Environment and Native American Attitudes Toward the Environment
- Comparison of Native American and Colonist
- Notes about the Environment
- TIME LINE OF AMERICAN RESPONSE TO THE ENVIRONMENT
- Venn diagram outline
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- If/then assessment
- If/then assessment answer key

Objectives
The student will be able to:

1. Recognize the similarities and differences between colonial beliefs and Native American attitudes toward the environment.

2. Accurately complete a Venn diagram that visually organizes what is different and what is similar between these sets of environmental beliefs.

3. Accurately complete several if/then statements.

Procedures

Students should have experience in creating Venn diagrams prior to this lesson.

1. Read aloud or have the students read-the selection on the environment. An alternate approach is to use the separate beliefs sheets – Native American and Colonial farmers. Teacher may choose to divide the students into two groups with each group reading only one of the selections.

2. Students should record on a piece of notebook paper the similarities or differences in beliefs about the environment as they are read. The student should then use these notes to create a Venn diagram. The left circle will indicate beliefs that were only held by Native Americans. The right circle will indicate attitudes that were only held by Colonists. The intersection of the two circles will indicate common beliefs between the two groups.

3. Students can check their work by doing a group Venn diagram. Students can then practice creating some if/then statements.

Assessment
A quiz is provided which assesses students’ understanding of the differences between how colonists and Native Americans used the environment. Mastery of the geography concept is considered answering both multiple-choice questions correctly.

The math concepts will be assessed through grading the individual Venn diagrams. At the bottom of the quiz paper, the students can write 2 more if/then statements. These statements do not need to link to Native Americans and colonists, but should be accurate statements. Assign the Venn diagram 11 points for correct beliefs in the right circle areas. The if/then statements can be given 2 points each. Total for the math assessment is 15 points with 12 being considered mastery.

Extensions
Using the Timeline of American Environmentalism, students can create a timeline showing the growth of American appreciation of the environment. Ask students to locate and identify their birth year and place other important dates on this timeline.

Another lesson that focuses on how colonists and Native Americans used the environment differently is found on the GeoLiteracy CD Rom produced by the Arizona Geographic Alliance. This lesson called, “A River Dead or Alive” was written by Jane Chambers and features the book A River Runs Wild by Lynn Cherry. For information on how to purchase the GeoLiteracy CD please contact the Arizona Geographic Alliance at 480-965-5361 or see the website at http://alliance.la.asu.edu/azga/
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Sources
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Periods and Events in the Emergence of American Environmentalism

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