

# School Recycling Club SHIP

(Supporting Home Instruction Program)



## Lesson Plan 6

- Grade Level: 9-12
- Lesson: II—The Routes of Household Hazardous Waste -  
All Things Are Connected: Native American Philosophy
- Source: *Teaching Toxics*
- Activity/Craft: Making a Secret Book Safe (<https://diyinspired.com/how-to-make-secret-book-safe/>)
- Video Link: We Are All Vulnerable to Water Pollution (<https://www.youtube.com/watch?v=R3YpIT6jwoY>)
- Video Link 2: What's Your Water Footprint? (<https://www.watercalculator.org/>)

# Lesson Matrix Grades 9-12

## Teaching Toxics

Lesson	Concept	Objective	Common Core Alignments	Skills
9-12 <b>Assessing Awareness</b>	An informed public is more likely to make responsible decisions about household hazardous waste disposal.	<ul style="list-style-type: none"> <li>Assess community awareness regarding household hazardous waste</li> <li>Conduct a survey</li> </ul>	<b>Grade 9-10</b> CC.RI.9-10.1 CC.SL.9-10.1 CC.HSS.ID.6  <b>Grade 11-12</b> CC.RI.11-12.7 CC.W.11-12.2 CC.HSS.ID.5	<ul style="list-style-type: none"> <li>Analyzing</li> <li>Applying mathematical concepts</li> <li>Gathering data</li> <li>Synthesizing</li> </ul>
9-12 <b>Contamination on the Move</b>	Contamination does not stay in one spot; it moves through the environment.	<ul style="list-style-type: none"> <li>Understand how contaminated water can move through the environment</li> </ul>	<b>Grade 9-10</b> CC.RST.9-10.3 CC.SL.9-10.1 CC.WHST.9-10.1d  <b>Grade 11-12</b> CC.RST.11-12.3 CC.SL.11-12.1 CC.WHST.11-12.2	<ul style="list-style-type: none"> <li>Developing models</li> <li>Observing</li> <li>Predicting</li> <li>Using evidence</li> </ul>
9-12 <b>All Things are Connected: Native American Philosophy</b>	All species in an ecosystem are connected. Hazardous waste entering the ecosystem will disrupt its balance.	<ul style="list-style-type: none"> <li>Examine how our actions affect the environment</li> <li>Examine how all species in an ecosystem are connected</li> </ul>	<b>Grade 9-10</b> CC.RH.9-10.4 CC.SL.9-10.1 CC.W.9-10.4  <b>Grade 11-12</b> CC.RH.11-12.2 CC.SL.11-12.1 CC.W.11-12.4	<ul style="list-style-type: none"> <li>Analyzing</li> <li>Communicating solutions</li> <li>Defining problems</li> <li>Interpreting</li> </ul>
9-12 <b>Hazardous Materials in Your School</b>	Materials Safety Data Sheets (MSDS) are useful tools for properly managing hazardous products.	<ul style="list-style-type: none"> <li>Become familiar with how to use the MSDS for products used in schools</li> </ul>	<b>Grade 9-10</b> CC.RI.9-10.1 CC.W.9-10.6 CC.HSS.IC.3  <b>Grade 11-12</b> CC.RI.11-12.1 CC.W.11-12.4 CC.HSS.CP.5	<ul style="list-style-type: none"> <li>Interviewing</li> <li>Investigating</li> <li>Problem solving</li> <li>Researching</li> </ul>
9-12 <b>Silent Spring: A Book that Awakened a Nation</b>	<i>Silent Spring</i> illustrates ecological principles central to responsible environmental decision making.	<ul style="list-style-type: none"> <li>Examine how U.S. society became aware of pesticides' environmental impact.</li> </ul>	<b>Grade 9-10</b> CC.RI.9-10.3 CC.SL.9-10.1a CC.W.9-10.4  <b>Grade 11-12</b> CC.RI.11-12.1 CC.SL.11-12.1 CC.W.11-12.2b	<ul style="list-style-type: none"> <li>Analyzing</li> <li>Gathering information</li> <li>Providing evidence</li> </ul>
9-12 <b>Household Hazardous Waste Collection Options</b>	Household hazardous waste disposal is the next focus in solid waste management.	<ul style="list-style-type: none"> <li>Examine household hazardous waste management issues</li> </ul>	<b>Grade 9-10</b> CC.RI.9-10.6 CC.SL.9-10.4 CC.WHST.9-10.4  <b>Grade 11-12</b> CC.RI.11-12.1 CC.SL.11-12.4 CC.WHST.11-12.1a	<ul style="list-style-type: none"> <li>Analyzing</li> <li>Communicating information</li> <li>Problem solving</li> <li>Questioning</li> </ul>

# 9-12: All Things are Connected: Native American Philosophy

## Subjects

Social Studies, Language Arts

## Skills

Analyzing, communicating solutions, defining problems, interpreting

## Materials

Student sheet on Chief Seattle

## Time

One Class Period, homework

## Vocabulary

Ecology, philosophy, ecosystem

## Concept

All species in an ecosystem are connected. Hazardous waste entering the ecosystem will disrupt the balance.

## Objectives

Students will examine how their actions affect the environment from a Native American perspective.

## Background

Native American philosophies have certain dominant themes that are common to many indigenous cultures. One of these themes is the belief that humans are a part of and connected to their environment. A well known example of such thinking is the speech given by Chief Si'ahl (European settlers changed this name to Seattle) of the Duwamish Nation from the Puget Sound region.

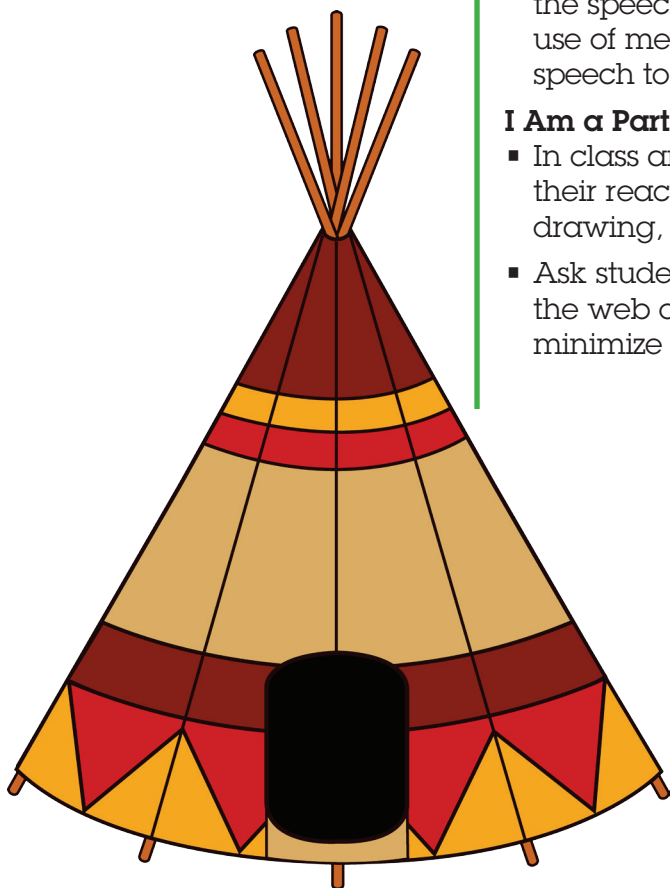
## Procedures and Activities

### All Things are Connected

- In small groups, have students read and discuss the student hand out on Chief Si'ahl's speech. Topics for discussion might include the historical background of the speech; an analysis of the speech in terms of its use of metaphor, simile, etc. and the relation of the speech to household hazardous waste.

### I Am a Part of the Web

- In class and/or for homework, ask students to express their reaction to the reading and discussion (through drawing, poetry, short story, dramatics, etc.).
- Ask students to consider how they are a part of the web of life and what actions they can take to minimize their environmental impact on the Earth.



## Common Core Alignments

### GRADE 9-10

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#### **CC.RH.9-10.4**

Reading in History/Social Studies:  
Craft & Structure

#### **CC.SL.9-10.1**

Speaking & Listening:  
Comprehension & Collaboration

#### **CC.W.9-10.4**

Writing:  
Production & Distribution of  
Writing

### GRADE 11-12

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#### **CC.RH.11-12.2**

Reading in History/Social Studies:  
Key Ideas & Details

#### **CC.SL.11-12.1**

Speaking & Listening:  
Comprehension & Collaboration

#### **CC.W.11-12.4**

Writing:  
Production & Distribution of  
Writing

## All Things Are Connected

Connections are sometimes hard to recognize. The relationship between household hazardous waste and Native American philosophy is one of those connections that seems obscure. On the surface, these two topics seem totally unrelated. Yet, if you read the following excerpt from a speech given by a well-respected Native American leader, you may be able to see how these topics are related. This speech was given by Chief Si'ahl, commonly known as Chief Seattle, from the Duwamish Nation in 1855. Chief Si'ahl gave this speech concerning the sale of land to Governor Isaac Stevens in what is now the city of Seattle, Washington.

Chief Si'ahl was born in 1790, about the time when his nation first made contact with white traders from Canada and the newly formed United States. During his lifetime, he experienced many differences between the Duwamish culture and European settlers' culture. Chief Si'ahl describes an important Duwamish cultural belief in the following excerpt from his speech. Perhaps it was a warning to those who were taking control of the land, the very lifeblood of his people.

"...whatever befalls the Earth, befalls the sons of the Earth. If men spit upon the ground, they spit upon themselves. This we know. The earth does not belong to man; man belongs to the earth. This we know. All things are connected like the blood which unites one family. All things are connected. Whatever befalls the earth, befalls the sons of the earth. Man did not weave the web of life; he is merely a strand in it. Whatever he does to the web, he does to himself ..."

"The whites too shall pass, perhaps sooner than all other tribes. Continue to contaminate your bed and you will one night suffocate in your own waste .... So if you sell your land, love it as we've loved it. Care for it as we've cared for it. Hold in your mind the memory of the land as it is when you take it. And with all your strength, with all your mind and with all your heart, preserve it for your children and love it."