### Lesson Matrix Grades 9-12

**Teaching Toxics**

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Concept</th>
<th>Objective</th>
<th>Common Core Alignments</th>
<th>Skills</th>
</tr>
</thead>
</table>
| 9-12 Assessing Awareness                    | An informed public is more likely to make responsible decisions about household hazardous waste disposal. | • Assess community awareness regarding household hazardous waste  
• Conduct a survey                         | Grade 9-10  
CC.RI.9-10.1  
CC.SL.9-10.1  
CC.HSS.ID.6 | Grade 11-12  
CC.RI.11-12.7  
CC.W.11-12.2  
CC.HSS.ID.5 | • Analyzing  
• Applying mathematical concepts  
• Gathering data  
• Synthesizing |
| 9-12 Contamination on the Move             | Contamination does not stay in one spot; it moves through the environment. | • Understand how contaminated water can move through the environment | Grade 9-10  
CC.RST.9-10.3  
CC.SL.9-10.1  
CC.WHST.9-10.1d | Grade 11-12  
CC.RST.11-12.3  
CC.SL.11-12.3  
CC.WHST.11-12.2 | • Developing models  
• Observing  
• Predicting  
• Using evidence |
| 9-12 All Things are Connected: Native American Philosophy | All species in an ecosystem are connected. Hazardous waste entering the ecosystem will disrupt its balance. | • Examine how our actions affect the environment  
• Examine how all species in an ecosystem are connected | Grade 9-10  
CC.RH..9-10.4  
CC.SL.9-10.4  
CC.W.9-10.4  
CC.HSS.IC.3 | Grade 11-12  
CC.RH..11-12.2  
CC.SL.11-12.1  
CC.W.11-12.4  
CC.HSS.CP.5 | • Analyzing  
• Communicating solutions  
• Defining problems  
• Interpreting |
| 9-12 Hazardous Materials in Your School     | Materials Safety Data Sheets (MSDS) are useful tools for properly managing hazardous products. | • Become familiar with how to use the MSDS for products used in schools | Grade 9-10  
CC.RI.9-10.1  
CC.W.9-10.6  
CC.HSS.IC.3 | Grade 11-12  
CC.RI.11-12.1  
CC.W.11-12.4  
CC.HSS.CP.5 | • Interviewing  
• Investigating  
• Problem solving  
• Researching |
| 9-12 Silent Spring: A Book that Awakened a Nation | *Silent Spring* illustrates ecological principles central to responsible environmental decision making. | • Examine how U.S. society became aware of pesticides’ environmental impact. | Grade 9-10  
CC.RI.9-10.3  
CC.SL.9-10.1a  
CC.W.9-10.4 | Grade 11-12  
CC.RI.11-12.1  
CC.SL.11-12.1  
CC.W.11-12.2b | • Analyzing  
• Gathering information  
• Providing evidence |
| 9-12 Household Hazardous Waste Collection Options | Household hazardous waste disposal is the next focus in solid waste management. | • Examine household hazardous waste management issues | Grade 9-10  
CC.RI.9-10.6  
CC.SL.9-10.4  
CC.WHST.9-10.4 | Grade 11-12  
CC.RI.11-12.1  
CC.SL.11-12.4  
CC.WHST.11-12.1a | • Analyzing  
• Communicating information  
• Problem solving  
• Questioning |