

Lessons	10 Lessons – A Look at Our Water: How Can We Protect Essential Water?
1. Jay-Z Water for Life	<p>Focus Question: What actions do people have to take to ensure they have water?</p> <p>Learning Activities: World Water use Graph worksheet and discussion. Watch a video and complete discussion questions</p> <p>Assessment Technique: Worksheet/Discussion completion, read chapter 8 lesson 1 and answer 1-10 and Global Water Resources</p>
2. Burlington Free Press	<p>Focus Question: What is a local source of water pollution to Lake Champlain and what is a solution to this local problem?</p> <p>Learning Activities: Research local articles on water and demonstrate the location of the issue.</p> <p>Assessment Technique: Worksheet completion and read chapter 8 lesson 3</p>
3. Tributary Lesson Plan	<p>Focus Question: Where does the river flow in your neighborhood?</p> <p>Learning Activities: Interpret the Lake Champlain Basin map and recognize it as a topographical map and not a political map. Use Google Maps to locate their home, then their local rivers. From their home to Lake Champlain, trace where the river goes.</p> <p>Assessment Technique: Each student shows their neighborhood tributary on the Lake Champlain Basin map</p>
4. Environmental Detectives	<p>Focus Question: Who are the polluters in your neighborhood?</p> <p>Learning Activities: Use the website, scorecard.org and lcbp.org to research your neighborhood. Students are an “Environmental Detective” finding who the local polluters are.</p> <p>Assessment Technique: Individual or group discussion about what they discovered</p>
5. Watershed Model	<p>Focus Question: What are the major types of water pollution and their sources?</p> <p>Learning Activities: Demonstrate non-point and point source pollution using watershed model.</p> <p>Assessment Technique: Match individual article to what best represents that issue on the model. Identify whether or not their issue was a non-point or point source problem.</p>
6. Groundwater Model	<p>Focus Question: How can pollution get into the groundwater and into our drinking water?</p> <p>Learning Activities: Watch Erin Brockovich movie and sources of water pollution worksheet</p> <p>Assessment Technique: Conduct a group discussion and have students write a “movie review”</p>
7. Iraq Marshes and Lake Champlain	<p>Focus Question: How can human activities alter ecosystems?</p> <p>Learning Activities: Watch a video, create a storyboard of Lake Champlain, applying Iraq to Lake Champlain.</p> <p>Assessment Technique Storyboard will evaluate student understanding of how the basin is today and how it would change if drained.</p>
8. Lake Champlain Plants and Animals	<p>Focus Question: Why are wetlands important to Lake Champlain?</p> <p>Learning Activities: Identify plants and animals from Lake Champlain wetlands</p> <p>Assessment Technique: Students will be able to recognize plants and animals in Lake Champlain and how water moves in the basin to support the food web.</p>
9. Bottled Water	<p>Focus Question: Why don't we drink the tap water at Woodside?</p> <p>Learning Activities: Identify the issues surrounding bottled water (video). Discover and propose alternative drinking water sources for Woodside. Inform the staff to remove bottled water.</p> <p>Assessment Technique: Discuss the pros and cons of bottled water. Create a poster or write a letter promoting tap water.</p>
10. Your Challenge	<p>Focus Question: What Lake Champlain Basin issue could you help do something about?</p> <p>Learning Activities: Create proposals for action to help protect the Winooski River watershed.</p> <p>Assessment Technique: Students present with posters to staff and panel responds to proposal.</p>