**Mystery of the Contaminated Water - Student Handout Part 1**

Step 1: After reading the case file, answer the following questions with your group:

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| **Ask: What is the challenge?** |
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| **What are some constraints you think you will have with this project?** |
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| **Member Roles - With your teammates, discuss who will be doing the following roles.** |
| * Leader:
* Speaker:
* Recorder:
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Step 2:

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| **Research: With your group, research what kinds and types of pollutants and contaminants can be found in water and what tests are used to test for those pollutants/contaiments.** |
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| **Observe your water sample with only your eyes. Describe your water sample below.**  |
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Step 3:

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| **Brainstorm: With your group, make a list of pollutants/contaminants that could be found in your water sample based on your observations and how you could test the water for those pollutants/contaminants.**  |
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Step 4:

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| **Plan: Develop a protocol that you will follow to analyze the evidence (water sample). Don’t forget to be specific about what materials you need, how much, your step-by-step instructions, etc.** |
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| **The Plan Continued** |
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