**Second Grade Lesson Plan**

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**Title**: The Scientific Method and Water Pollution

**Content**: Science

**Time Allotment**: 30-40 Minutes

**ALCOS/Common Core Objective**:

SC(1) 1.) Select appropriate tools and technological resources needed to gather, analyze, and interpret data.

SC(1) 9.) Identify ways to conserve Earth's resources.

SC(3) 13.) Describe ways to sustain natural resources, including recycling, reusing, conserving, and protecting the environment.

**Lesson Objectives**: I can identify steps in the scientific method.

I can identify ways to filter and clean polluted water.

**Hook**: Video on pollution. Source- <http://www.youtube.com/watch?v=qCvtyKd5RdI>

**Procedures**: T. Introduce video and slideshow

S. Watch video

T. Go through slides on pollution PowerPoint and ask questions on slides

S. Students answer questions

T. Introduce the scientific method and ask questions to make sure students

understand the process

S. Responds to questions to show understanding

T. Instructs students to get into their groups

S. Students get into their groups

T. Do a walk-through of the experiment instructions

S. Students listen to the walk-through

T. Start step one of the experiment and assist students with step one

S. Perform step one of the experiment

T. Ask questions about pollution during experiment wait time

S. Answer questions about pollution during experiment wait time

T. Start step two of the experiment and assist students with step two

S. Perform step two of the experiment

T. Start step three of the experiment and assist students with step three

S. Perform step three of the experiment

T. Start step four of the experiment and assist students with step four

S. Perform step four of the experiment

T. Discuss findings and questions on experiment data sheet

S. Answer and discuss findings and questions on experiment data sheet

T. Conclude experiment

**Accommodations**: Give extra time to complete experiment steps for the student

With learning disability. Also, due to first time knowledge of the

Scientific method, make sure that assistance is given to groups and

Students with the experimental process.

**Review and Closure**: T. Discuss findings of experiment

S. Discuss findings of experiment

T. Help students make sure data sheet is filled out correctly

S. Fills out data sheet if any answers are incorrect or missing

T. Refocus student attention back to pollution PowerPoint

S. Focus on teachers

T. Review steps of the scientific method out loud with students

S. Review steps of the scientific method out loud with teachers

**Assessment**: Scientific method data sheet, monitor students while performing

Experiment to make sure students understand steps, verbal review with

Students to verify understanding of the scientific method and

Experimental process.