4th Grade Science Curriculum Standards

Lesson #1—Water Cycle & Groundwater Basics 101

Grade 4	**III. Earth and Space Science**	**B. Water Cycle, Weather & Climate**	The student will recognize that water on Earth cycles and exists in many forms.	1. The student will describe the water cycle involving the processes of evaporation, condensation, precipitation and collection. 2. The student will identify where water exists on Earth.
Grade 4	**II. Physical Science**	**A. The Structure of Matter**	The student will know that heating and cooling may cause changes to the properties of a substance.	1. The student will observe that heating and cooling can causes changes in state. 2. The student will describe the changes in the properties of a substance when it is heated or cooled.
Grade 4	**III. Earth and Space Science**	**A. Earth Structure and Processes**	The student will investigate the impact humans have on the environment.	1. The student will identify and investigate environmental issues and potential solutions.

Lesson #2—Groundwater Movement & Soils

National Science Content Standard--Soils have properties of color and texture, capacity to retain water, and ability to support the growth of many kinds of plants, including those in our food supply.

Lesson #3—Aquifer and Groundwater Pollution

Grade 4	**III. Earth and Space Science**	**B. Water Cycle, Weather & Climate**	The student will recognize that water on Earth cycles and exists in many forms	1. The student will describe the water cycle involving the processes of evaporation, condensation, precipitation and collection. 2. The student will identify where water exists on Earth.

Lesson #4—Our Water Resources and Conservation

Grade 4	**III. Earth and Space Science**	**A. Earth Structure and Processes**	The student will investigate the impact humans have on the environment.	1. The student will identify and investigate environmental issues and potential solutions.
Grade 4	**III. Earth and Space Science**	**B. Water Cycle, Weather & Climate**	The student will recognize that water on Earth cycles and exists in many forms.	1. The student will describe the water cycle involving the processes of evaporation, condensation, precipitation and collection. 2. The student will identify where water exists on Earth.