

MAPPING KINDERGARTEN SCIENCE INSTRUCTION

Concept: Conserving Natural Resources

PWC Strand: Environmental Science

PWC Objective: K.3.1

The student will investigate and understand that materials can be reused, recycled, and conserved. Key concepts include:

- use of materials and objects over and over again **(SOL K.10a)**
- everyday materials that can be recycled **(SOL K.10b)**
- conservation of water and energy at home and school **(SOL K.10c)**

What Students Should Know (Critical Attributes)	What Students Should Be Able To Do (Essential Skills)
<p><u>Essential Questions:</u></p> <ul style="list-style-type: none"> • What are some examples of things we can reuse in order to conserve natural resources? • What is recycling? • How can we conserve water and energy? • Why should we reuse, recycle, and conserve natural resources? <p><u>Critical Attributes:</u></p> <p>K.10a We need to be sure to use natural resources wisely and not waste them. Some things we have can be reused more than once. For example, we can give our clothes to some one else to wear when we outgrow them, or we can write on the back of paper that has been printed on one side.</p> <p>K.10b Other materials can be recycled, or changed into something new. Newspapers, glass bottles and jars, aluminum cans, oil, and some plastic containers can be recycled into new paper, glass, aluminum, and plastic. If we throw too many things away, we may run out of places to put our garbage.</p> <p>K.10c When we save, or conserve, water, electricity, paper, and food materials, we help to preserve these natural resources for future use. We can conserve water by turning off the faucet when we brush our teeth and by filling the bathtub with less water. We conserve electricity by turning off lights and appliances when we are not using them. If we don't use resources carefully, we may run out of them.</p>	<ul style="list-style-type: none"> • Identify materials that can be reused. • Give examples of objects that can be recycled. • Describe the difference between reuse and recycle. • Describe how to recycle a given material (paper, oil, aluminum, glass, and plastic). • Name ways to conserve water and energy. • Predict what would happen if recycling and reusing were not practiced.