**Kindergarten Science Unit Organizer**

**Taking Care of the Earth**

**Kindergarten – DeVany, Kleen, Pullin**

**Summary**

The Earth provides all of the resources humans need to survive – air, land, and water. Some natural resources, such as soil and trees, are renewable, while others, such as fossil fuels, are nonrenewable. It is important to conserve resources by practicing the three Rs of conservation: reduce, reuse, recycle. Some materials can be recycled. Pollution is caused mainly by human activities and harms the environment and living things. Pollution can be limited by following methods of conservation.

**The Big Idea**

The resources of Earth are limited; they must be conserved and protected from pollution if they are to last.

**Colorado State Standards:**

**SC K.2.1.a:** Sort a group of items based on observable characteristics.

**SC K.3.1.b:** Make simple observations, explanations, and generalizations about Earth’s materials based on real life experiences

**Common Core Standards:**

**RLK.1** With prompting and support, ask and answer questions about key details in a text.

**RIK.2** With prompting and support, identify the main topic and retell key details of a text.

**RLK.4** Ask and answer questions about unknown words in a text.

**RLK.10** Actively engage in group reading activities with purpose and understanding.

**SLK.2** Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.

**WK.2** Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.

**WK.8** With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.

**Core Knowledge Unit:**

Taking Care of the Earth

**Previous Unit:**

Magnetism

**Prior Knowledge**

Pre-School

Demonstrate an initial understanding of the elements of the material world.

**Next Unit**

Farming/Gardening

**What Students Will Learn in Future Grades**

**Grade 1:**

Living Things and Their Environments

1. Environmental change and habitat destruction

**Grade 3:**

Ecology

1. How humans can harm the environment
2. Ways in which humans can help protect the environment

**Cross Curricular Links**

Language Arts

\*Poetry: ”Happy Thought” by Robert Louis Stevenson

History and Geography

\*American : Presidents, Past and Present: Theodore Roosevelt (as a pioneer for conservation

Science

\*Farming and Planting

\*Biographies….George Washington Carver

**Additional Resources**

For Teachers:

\**Waste and Want: A social Histroy of Trash* by Susan Strasser

\**Why do We Recycle?: Markets, Values, and Public Policy* by Frank Ackerman

For Students:

*\*The Lorax* by Dr. Seuss

\**Recycle That!* By Fay Robinson and Allan Fowler

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