


# Recycling

## First Grade: Science

QUESTIONING



**Gifted behaviors to look for:**  
 Communicative-  
 Resourceful -  
 Perceptive –  
 Creative

<b>SBI Indicator(s)</b>	SCI.G1.8.c ; SCI .G1.8.a
<b>Materials</b>	 Juice can Wordle website Activity Sheet
<b>ESOL Accommodations</b>	Define unfamiliar vocabulary Activate and make connections to prior knowledge
<b>Marzano Strategy</b>	Nonlinguistic Representations
<b>Patterns of Thinking</b>	DISTINCTIONS/RELATIONSHIPS

<b>Link</b>	<p><b>Say</b>, “We have been learning that natural resources are limited. First, we will create a picture using words that we would associate with recycling.”</p> <p>Allow volunteers to share words as the teacher enters them into the site: <a href="http://www.wordle.net/create">http://www.wordle.net/create</a></p> <p>Show them the Wordle. Share the variety of designs.</p> <p>Or create a word splash on the Smartboard or large paper. Discuss the importance of recycling.</p>
	<p><u>Assessment:</u> “Communicative” students might say, “We should recycle because it will have an effect on the environment in the future.” “Resourceful” students will have a plethora of vocabulary to include in the Wordle or word splash.</p>
<b>Engage and Educate</b>	<p>Read <i>RECYCLE!</i> By Gail Gibbons to the class.</p> <p>Display an empty juice can and tell students that you have reused this juice can.</p> <p><b>Ask:</b></p> <ul style="list-style-type: none"> <li>• “Can you tell me the difference between reusing and recycling?”</li> <li>• “Can you think of other things that have been recycled?”</li> <li>• “What does your family do with clothes, toys, furniture and other things you don’t use anymore?”</li> <li>• “Use your imagination.”</li> <li>• “What would you do with an old shoe?”</li> <li>• “An old basketball that won’t hold air anymore?”</li> <li>• “Pretend that you are an empty soda can. What would you like it to be recycled into?”</li> <li>• “How could you be used again?”</li> </ul>
	<p><u>Assessment:</u> A “Perceptive” student will be the first to start to realize everything can be reused or recycled.</p>
<b>Active Learning</b>	<p><b>Say</b>, “Build a model or draw a picture of a new way to use something you usually throw away.”</p> <p>OR...</p> <p><b>Say</b>, “Fairfax County many people make more than 6 pounds of trash each day. Draw pictures showing ways that people could use less trash.”</p>
	<p><b>Extension(s):</b> Design a new symbol that will represent recycling. 2) Organize a clean up day in your class and count how many things you can find to recycle.</p>
	<p><u>Assessment:</u> A “Creative” student may invent something that could be used for a new purpose.</p>
<b>Reflect</b>	<p><b>Ask</b>, “What do you think would happen if no one in the world recycled?”</p> <p>Use the cooperative learning strategy Think-Pair-Share to share classmates’ ideas.</p>
<b>Now and Then</b>	<p><b>Say</b>, “We have learned that natural resources are limited. Today we learned that we can conserve natural resources by using materials again. We will continue to learn the benefits of recycling such as saving energy and reducing water or air pollution.”</p>

Name \_\_\_\_\_

**Issue:** Students in Fairfax County Public Schools generate more than 6 pounds of trash each school day. Brainstorm some ideas of ways that students can reduce the amount of trash they create each day. Draw a picture to illustrate your idea.