

Grade: PK Course Name DC Recycles!

Unit: Reduce Reuse Recycle

Overview and Goal of the Lesson: This lesson is to be used as part of the *Reduce, Reuse, Recycle Study* of Creative Curriculum. This lesson is to be used after students have already been introduced to the concept of paper recycling and are actively placing paper products in their classroom recycling bin. In this lesson students will learn about the concept of reduce and reuse. Students will find creative ways to reuse paper in their classroom and track the quantity of paper being recycled.

Link to DGS Resources for the Creative Curriculum Recycling Unit

<https://dgs.dc.gov/node/1133908>

Link to DGS Information for Recycle Right Paper Competition

<https://dgs.dc.gov/node/1236851>

Essential Question(s):

How can we reuse paper?

How can we reduce the quantity of paper we need to recycle?

Early Childhood Standards

SI.5.1.4 Collect, organize, and record information.	SI.5.1.6 Communicate observations and findings through a variety of methods.	SI.5.4.2 Observe and describe how their actions can cause changes in the environment	MT.4.3.1 Use non-standard and standard units to measure length, weight, and amount of content in familiar objects and to obtain information.

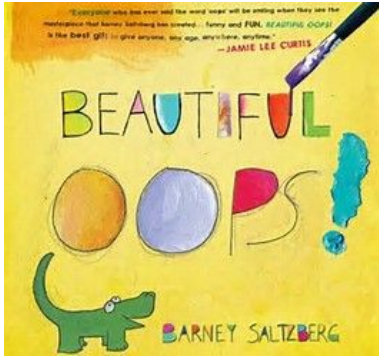
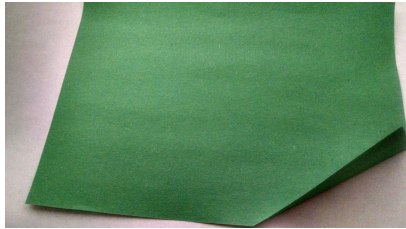
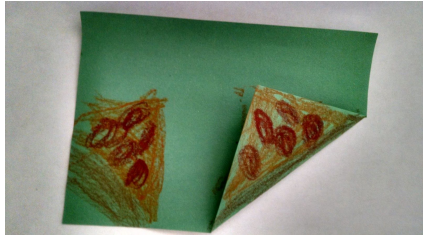
Materials

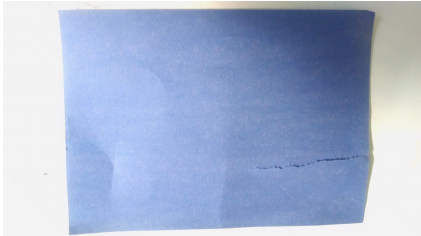

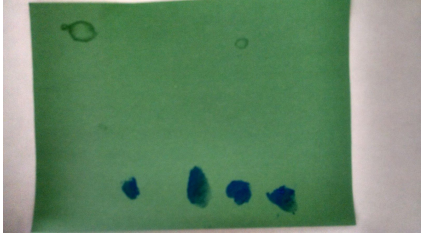

Item	Quantity	Purpose
Chart Paper	1 piece	Graph quantity of paper in recycling bin



Book: Beautiful Oops	1	Introduce concept of Reuse
Scrap Paper	classroom set	
Markers	classroom set	
Glue sticks	classroom set	
scissors	classroom set	

5E Lesson Sequence

Total Duration: 45 minutes				
5E Model Stage	Duration	Teacher and Student Actions		Notes
Engage	5 minutes	What Teacher Does	Teacher asks “How much paper do we recycle in the classroom?” Teacher creates a graphic organizer on chart paper.	Students should already have been participating in paper recycling in classroom to have this make sense to them. Example of Graphic Organizer
		What Students Do	Students count how many pieces of paper are in the recycling bin to have that information added to the chart.	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Explore	10 minutes	What Teacher Does	Read the book <u>Beautiful Oops</u> by Barney Saltzberg. As the teacher reads each “mistake” ask the students to guess what the artist will transform the mistakes into. The “mistakes” to paper include rips, holes, bends, spills, crumbles	If teacher does not have access to this book, teacher can make several examples of transforming mistakes on paper into art. Example 1. Bent Paper Before

				 <p>Bent Paper After</p> 
		What Students Do	After the book while still in a group circle, each student receives a small piece of paper that has a corner folded over. Each student will use their creativity to transform the “mistake” into a drawing.	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Explain	5 minutes	What Teacher Does	Teacher will explain that when the students reused the scrap pieces of paper they were not only demonstrating their creativity they were also reducing the amount of paper put in the paper recycling bin. Teacher will explain the concept and importance of reducing amount of waste.	
		What Students Do	Students will do a turn/talk and share with their partner what they created with their scraps of paper.	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Elaborate	20minutes	What Teacher Does	Teacher provides a variety of materials in the art center for students to further explore how to reuse paper.	Beyond the day’s lesson, the teacher can continue to encourage students to reuse paper in the art center. Example 2: Ripped Paper Before
		What Students Do	Students will use materials in art center to reuse paper instead of placing in recycling bin. Students can explore	

			<p>how to solve ways to use paper that have accidentally has rips, spills or holes.</p>	 <p>Ripped Paper After</p>  <p>Example 3: Spill on Paper Before</p>  <p>Spill on Paper After</p>  <p>Example 4: Hole in Paper Before</p>
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				 <p>Hole in Paper After</p> 
5E Model Stage	Duration	Teacher and Student Actions		Notes
Evaluate	5 minutes	What Teacher Does	Teacher will ask students about their experience in reusing paper. Teacher will reference the chart created in the beginning of lesson and ask students to predict if next week there will be more or less paper in recycling bin and why?	The graphic organizer can be used each week so students can track how they are reducing the amount of paper they are using in the classroom. This activity can support tracking for DC Recycles Paper Challenge.
		What Students Do	Students will share answers about their reusing paper and make predictions about future paper use in class.	