



WEEK 6 Day 2

Blocks: Building a Recycling System

Children use blocks and Beautiful Stuff to build a recycling system.

Big Ideas	As caretakers of the earth, people can create and participate in sustainable systems to use natural resources wisely.
Guiding Questions	What are sustainable systems, and how do people make responsible decisions for our earth?
Vocabulary	recycling plant: a factory where used materials are made into new things.
Materials and Preparation	<ul style="list-style-type: none"> ● <i>Recycle!</i>, Gail Gibbons ● recycling system images and video, from Week 4 ● children’s recycling trucks, from Week 5 ● children’s research, from Week 4 ● blocks (unit, hollow foam) ● Beautiful Stuff: small and medium boxes, cardboard ● tape ● varied paper ● writing and drawing utensils ● scissors ● Ipad or projector <p>Set out visuals and images children can use as resources. With children’s help set out Beautiful Stuff that will be useful. Allow for the use of varied blocks.</p>
Intro to Centers	<p><i>We have read Recycle! by Gail Gibbons, learning about how and what to recycle and what happens to what we recycle, you also researched recycling and made your own recycling trucks.</i></p> <p>Show some samples of the children’s research and work.</p> <p><i>What do you notice?</i></p>

	<p>Think, Pair, Share</p> <p><i>Yes, we learned that the recycling trucks bring the recycling to a recycling plant, a factory where used materials are made into new things. Let's look at some of these images/videos to remember what happens.</i></p> <p>Choose to share images, videos, or pages from <i>Recycle!</i> to share. <i>What do you notice about what is happening?</i></p> <p>Engage in a conversation with the group about what they notice and think is happening to the recycled materials.</p> <p><i>This week you are going to use blocks, and Beautiful Stuff to construct a recycling system. What ideas do you have for what to make and what materials to use?</i></p> <p>Think, Pair, Share. <i>So many great ideas!</i></p> <p>Restate some of the ideas. If it did not come up, suggest a conveyor belt or a sorting robot. <i>You could start by making a sketch of a recycling system and then figure out which materials would work best.</i> <i>Remember about teamwork and how important and useful it is to work together and share ideas with each other.</i></p>
During Centers	<p>As children begin to work, guide them to use the resources as a reference that can help them to get ideas. Encourage them to work first on a plan and then to consider various materials to use . Remind them to work collaboratively, share ideas and help each other.</p>
Facilitation	<ul style="list-style-type: none"> ● What do you know about what happens at a recycling plant? ● How does it work? ● What are you going to use to build your recycling system? Why? ● What are you going to use to make the _____? ● What kind of recycled materials are you sorting? What will happen to these materials? ● How does working as a team help you?
Standards	<p>SL.1.K.a Participate in collaborative conversations about kindergarten topics and texts with peers, and adults in small and larger groups.</p> <p>SL.3.K.b Add drawings or other visual displays to descriptions as desired to provide additional detail.</p> <p>K-ESS3-3 Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.</p> <p>Further explanation: Examples of human impact on land could include cutting trees to produce paper and using resources to produce bottles.</p>

	<p>Examples of solutions could include reusing paper and recycling cans and bottles. Examples could also include what we can do to clean public areas (e.g. beaches, parks, lakes, trails, etc.). Obtaining, Evaluating, and Communicating Information, Developing Possible Solutions, Human Impacts on Earth Systems, Cause and Effect</p>
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