

Grade #: 6-12 Course Name Art

Unit #: **Sustainable Art: Reduce and Reuse**

Overview and Goal of the Lesson: For the duration of this lesson students will be able to understand the impact of the excessive use of resources and irresponsible waste of them. Students will then experiment with ways to reuse everyday waste such as packing products, bottles, and old discarded clothing in order to establish a plan to limit their personal impact on the environment.

Essential Question(s): *What happens to the goods and products that we waste everyday?*

Does the excessive waste that we accumulate here in the US simply affect our environment? or throughout the world?

What would be the long-term effects, if any: Should we begin to reuse or repurpose even a small portion of our household waste.

Duration: 3 class days

NGSS Emphasized and Addressed in this Lesson Sequence:

Performance Expectations	Science and Engineering Practices	Disciplinary Core Ideas	Crosscutting Concepts
<p>Students will be able to explain in detail the effects of excessive waste on the environment, and to explain a plan of action for their own households in detail.</p> <p>Students will be able to construct a work of art using recycled and reused everyday goods.</p>	<p>Research</p> <p>Experimentation</p> <p>Defined Solution</p>	<p>VA. Cr. 1.1.1Ila</p> <p>Visualize and hypothesize to generate plans for ideas and directions for creating art and design that can affect social change.</p>	<p>writing</p> <p>teamwork</p> <p>planning</p>

Materials

Item	Quantity	Purpose
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Paint		
Markers		
Glue		
Recycled Products and Goods		

5E Lesson Sequence

Total Duration: <i># of</i> minutes				
5E Model Stage	Duration	Teacher and Student Actions		Notes
Engage Reduce vs. Reuse	<i>30 # of</i> minutes	What Teacher Does	Have students watch a film on the level of environmental waste per year produced by the US.	Resources: Film Teacher's can use 1.) A guided worksheet or 2.) A reflection writing assignment Ex: <u>"No Impact Man" Amazon</u>
		What Students Do	Students will complete a guided worksheet following the film and applying it to their everyday life. <ul style="list-style-type: none"> This can also be done as a writing reflection assignment 	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Explore	<i>20# of</i> minutes	What Teacher Does	Guide a discussion with class based on the film and worksheet.	
		What Students Do	Students will engage in the class discussion and the class will compile an ongoing list of ideas for a large class reuse project	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Explain Reduce	<i>20# of</i> minutes	What Teacher Does	Teacher guides class in understanding how simple reuse of certain recycled items can reduce their carbon "foot print" using information from the movie.	Resources: http://www.salon.com/2016/07/15/america_is_a_wasteland_the_us_produces_a_shocking_amount_of_garbage_partner/#.WZECFi6sogl.email
		What Students Do	Students will work in groups to complete a timeline showing the accumulation of waste & its affect on the environment over time. (Collaboration between Science and Art) Use the waste averages from the article to compile your timeline.	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Elaborate	<i>45# of</i> minutes	What Teacher Does	Teacher reminds students of discussion from the class before. Then introduces the creative planning process. Students began creating a prototype project repurposing a recycled item.	

		What Students Do	Students choose their item and plan out their project.	
5E Model Stage	Duration	Teacher and Student Actions		Notes
Evaluate Reuse	<i>45# of minutes</i>	What Teacher Does	Students get 2 class periods to completely repurpose their items.	
		What Students Do	Student complete a finished work of art while using the creative process from research to construction.	