

# One Plastic Bag

## Using Entrepreneurial Thinking to Solve Problems

Presented by: Dr. Deborah Kozdras and Dr. Sherry Moser  
USF Stavros Center



Created with funding from a grant by



# Global Literacies

- Awareness: Multiliteracy strategies to learn about problems.
- Empathy: Social-emotional literacy
- Ideas: Investigate and brainstorm solutions
- Open-minded: Other interdisciplinary ideas
- U: You can create a difference by using multiliteracy strategies to create solutions to problems.



**Collaborate!**

**What does this quote mean to you?**

# Draw It

What do you see? What do you think? What do you wonder?



# SUSTAINABLE DEVELOPMENT GOALS

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## SDG Book Club



**INDUSTRY, INNOVATION & INFRASTRUCTURE**

Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

### THE 17 GOALS

<b>1</b> NO POVERTY 	<b>2</b> ZERO HUNGER 
<b>3</b> GOOD HEALTH AND WELL-BEING 	<b>4</b> QUALITY EDUCATION 
<b>5</b> GENDER EQUALITY 	<b>6</b> CLEAN WATER AND SANITATION 

<https://www.un.org/sustainabledevelopment/sdgbookclub/>

## SDG 9: Industries, Innovation

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# 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Build resilient infrastructure, promote sustainable industrialization and foster innovation.



9 of 17 Global Goals

<https://worldslargestlesson.globalgoals.org/global-goals/innovation-and-infrastructure/>

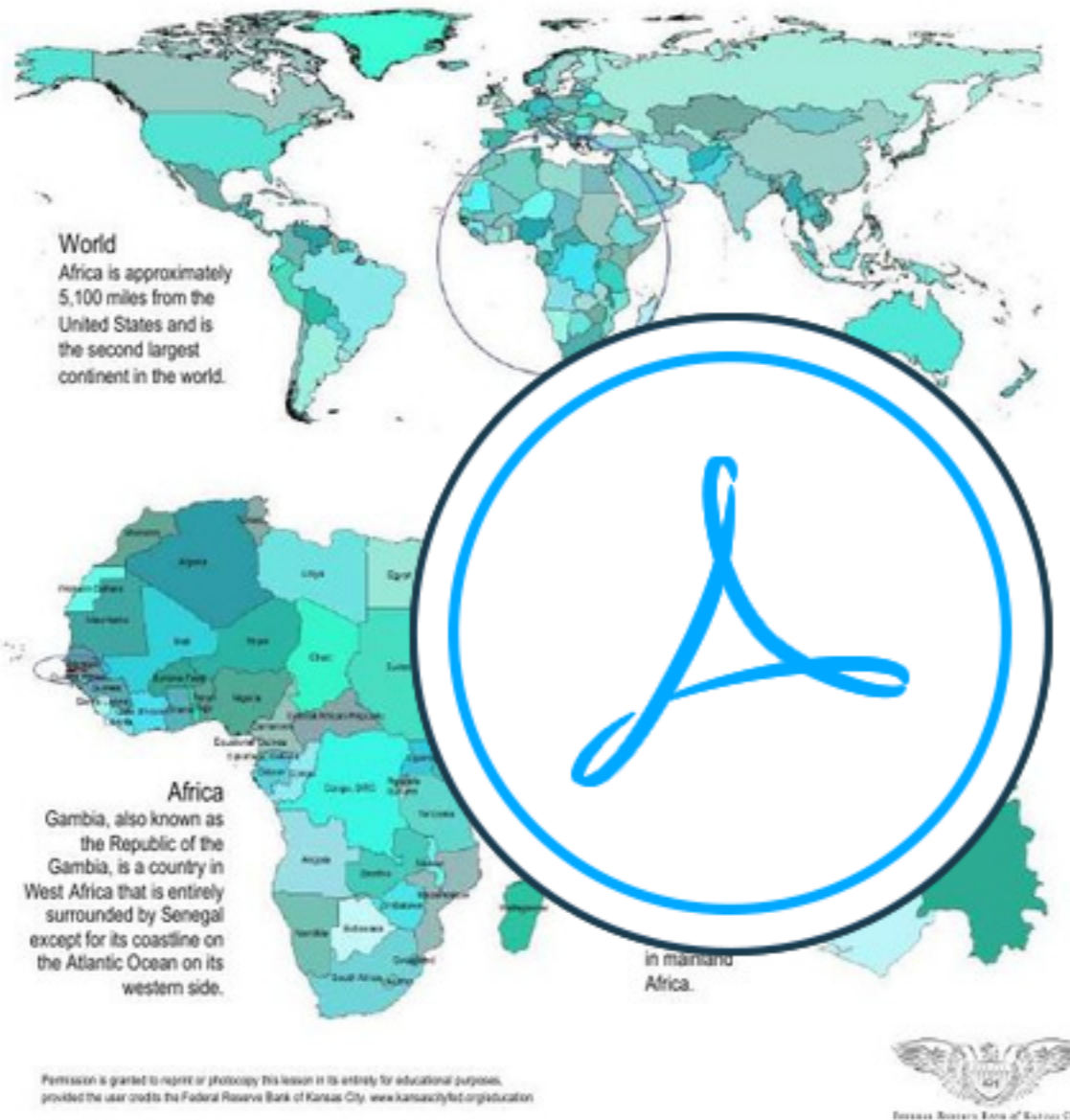


It turns out that advancing equal opportunity and economic empowerment is both morally right

# ONE PLASTIC BAG: ISATOU CEESAY AND THE RECYCLING WOMEN OF THE GAMBIA

BY MIRANDA PAUL / ISBN 13: 9781467716086  
GIGI WOLF, FEDERAL RESERVE BANK OF KANSAS CITY

## VISUAL 2: ONE PLASTIC BAG MAPS AND VOCABULARY



<https://cf.nearpod.com/neareducation/new/Webpage/472539604/iconoriginal.pdf?AWSAccessKeyId=AKIA5LQSO4AXIHKV2NEC&Expires=2147483647&Signature=cXKGYtVU1c%2BIj5BFikyLDXW5W%2F0%3D>





[https://cdn1.360cities.net/static\\_embeds/index.html?handle=the-future-is-our-country-la-sonrisa-de-frica-the-gambia&username=nearpod&secret=dee48f34e3660bcd24228ca950a43d937c6dc5fa8b1bf63f5bfe8352bb4f4b3&r=nearpod&fullscreen=true](https://cdn1.360cities.net/static_embeds/index.html?handle=the-future-is-our-country-la-sonrisa-de-frica-the-gambia&username=nearpod&secret=dee48f34e3660bcd24228ca950a43d937c6dc5fa8b1bf63f5bfe8352bb4f4b3&r=nearpod&fullscreen=true)

Jordi Porteros / 360cities.net



[https://cdn1.360cities.net/static\\_embeds/index.html?handle=gambia-no-dumping&username=nearpod&secret=c5112532685ef29f672db965828845bf51e5fb8533d85e26da16795bb9c17b8a&r=nearpod&fullscreen=true](https://cdn1.360cities.net/static_embeds/index.html?handle=gambia-no-dumping&username=nearpod&secret=c5112532685ef29f672db965828845bf51e5fb8533d85e26da16795bb9c17b8a&r=nearpod&fullscreen=true)



Michel du Chesne / 360cities.net



<https://www.youtube.com/embed/Wz46PVcCZxs>

# Book Trailer



# Open Ended Question



**What problem did the recycling women have and how did they solve it?**

# The True Story





**Collaborate!**

## Entrepreneurial Thinking



# Open Ended Question



## What can you teach your students about the One Plastic Bag project?



**Collaborate!**

**#Rethink Tank**

# Decisionomics

- Problem: Landmark Cinema needs to decide where they should place their recycling bins.
- Alternatives: Near vending machines, employee parking lot, outdoor break area, outside back door, street entrance
- Criteria: Easy to get to, near where employees have food or drinks, opportunity for other community members to use the bin, many people pass by
- Evaluate: Evaluate your alternatives based on the criteria
- Decision: Make a decision on the organization

# Draw It



Choose your top four innovative products and enter them into the grid. What criteria would you use to judge the products?

<b>Alternatives: Different Locations</b>	<b>Criteria: Why are some locations good for recycling bins?</b>			
	Easy to get to	Near where employees might have food or drinks	Opportunity for other community members to use the bin	Many people pass by it.
Near vending machines				
In employee parking lot				
At the outdoor break area				
Outside the back door				
By the main entrance				

# Decisionomics

- Problem: The Entrepreneurial Thinking Hall of Fame would like you to choose an innovative company that has found a use for recycled plastic.
- Alternatives: Conduct some research.
- Criteria: Come up with criteria to use in evaluating your alternatives
- Evaluate: Evaluate your alternatives based on the criteria
- Decision: Make a decision on the organization

# Decision Grid

	Criteria		
Alternatives			



# Draw It



Choose your top four innovative products and enter them into the grid. What criteria would you use to judge the products?

	Criteria		
Alternatives			

# Decisionomics

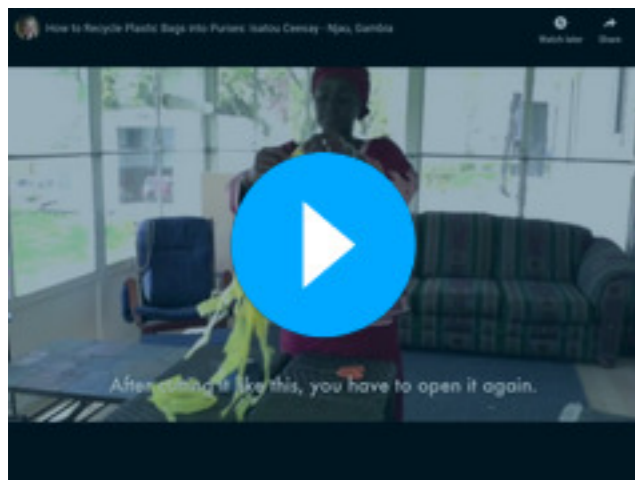
- Problem: Your class wants to create a good out of recycled goods that they can sell.
- Alternatives: Conduct some research or brainstorm ideas
- Criteria: Come up with criteria to use in evaluating your alternatives
- Evaluate: Evaluate your alternatives based on the criteria
- Decision: Make a decision on the organization



**Collaborate!**

**Brainstorm some things you could make out of recycled goods.**

# Open Ended Question



**What did you learn about recycling plastic bags?**



<https://www.youtube.com/embed/r354rs7aYzI>



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## Repurposing Plastic

## Profit from Plastic Waste

Repurposing plastic bags and bottles by turning them into useful and artv

## Community Menu

Community

<https://warmheartworldwide.org/repurposing-plastic/>

According to research conducted by the Environmental Protection Agency, somewhere between five hundred billion and one trillion disposable bags are used each year around the world. The bad news is plastic bags remain in landfills, oceans, and other places for thousands of years.

While many cities and countries are banning plastic bags, there is still an

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