

[SS] Mini-Lesson: Circular Supply Chain

This lesson comes from the **Repair Fair** project- found in the *A Climate for Change Educator's Toolkit*. Visit www.hiclimatoprojects.org to view the whole project.

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Teacher Instructions:

In this lesson, students will zoom out and learn more about the supply chain of common items, and learn about where their trash goes.

Background Information on Supply Chains:

- [The World's 2-Billion-Ton Trash Problem Just Got More Alarming](#) - Supply Chain Brain
- [Linear vs. Circular Supply Chain](#) - SupplyChain 247
- [The Circular Supply Chain](#) - Cerasis

Videos:

- [The Story of Solutions](#)
 - Important vocabulary: *linear system, finite planet*
- A different approach: [Explaining the Circular Economy and How Society Can Re-think Progress](#)

Use the above resources to teach a lesson on supply chains - direct instruction, stations and jigsaw are great methods for content delivery.

Task:

- Students choose a household item that would get thrown away if it broke
- Applying what was learned about the circular economy, students map out the circular supply chain for that item
- Reflect on the map from the perspective of the consumer

Standards + Rubric:

The following standard can be assessed during this mini-lesson:

C3 Framework: D2.Eco.3.6-8

Explain the roles of buyers and sellers in product, labor, and financial markets.

C3 Framework: D2.Eco.6.6-8.

Explain how changes in supply and demand cause changes in prices and quantities of goods and services, labor, credit, and foreign currencies.

C3 Framework: D2.Eco.8.6-8.

Explain how external benefits and costs influence market outcomes.

Use the following single-point rubric to give feedback on, or assess, the assignment:

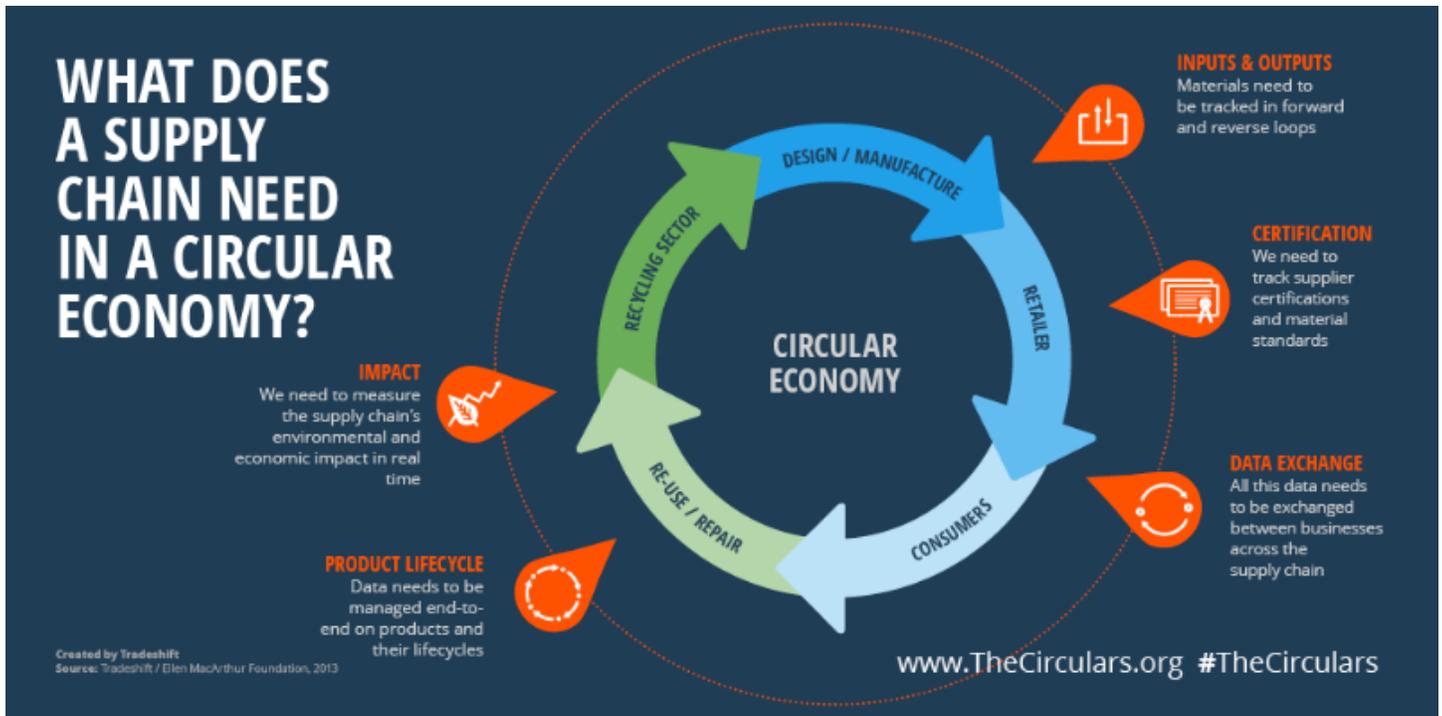
| Standard/Content/Skill Being Assessed | Feedback for Improvement | Succeeding - Proficient | Feedback Where Work Exceeds the Standard |
|---|--------------------------|--|--|
| Product, Labor and Financial Markets (C3 Framework D2.Eco.3.6-8) | | Explains the roles of buyers and sellers in product, labor, and financial markets. | |
| Supply and Demand (C3 Framework D2.Eco.6.6-8) | | Explains how changes in supply and demand cause changes in prices and quantities of goods and services, labor, credit, and foreign currencies. | |
| Market Influences (C3 Framework D2.Eco.8.6-8) | | Explains how external benefits and costs influence market outcomes. | |

Student Handout:

Follow the steps below to map the circular supply chain of a household item:

Choose a household item that you see used a lot in your home (i.e. vacuum cleaner, dishwasher, bike, etc.)

Use the infographic from [Tradeshift](https://www.tradeshift.com) on the Circular Economy to draw the parts of the Circular Supply Chain of the item you selected. You may need to do some background research!



Source: Tradeshift via The Circulars

Make sure to include in your drawing:

- The item you selected
- Materials** needed to design and manufacture the item, and **where** this would take place
- Name of at least 1 **retailer** (store) that you could purchase the item
- How the item is purchased/used by the **consumer**
- How the consumer would repair or re-use the item (for example, what is the typical life of a dishwasher? What does the consumer do if it breaks?)
- What to do with the item when it's reached the end of its life

The Circular Supply Chain of a _____:



List the sources you used to create your drawing: