

Imagine a Waste-Free Economy

Eco360 Jr.

Activity

Grade Level: 3-8



Main Objectives

The objective of this activity is to introduce the concept of a waste-free circular economy - How it works and how it can help us create a waste-free world. Learners will think about the need for this waste-free circular economy to solve the problem of waste in the world.

Learning Outcomes

By the end of this activity, learners will:

- Be able to explain a waste-free circular economy
- Be able to contrast a waste-free circular economy with our current wasteful linear economy
- Demonstrate an understanding of the problem of waste in the world and its effects
- Demonstrate an understanding about how a circular economy can solve the problem of waste.

Length of Activity: 2.5 hours

Step 1: Intro to linear and circular economy

Step 2: Complete activity handout

Materials Required

- Computer or internet-enabled device
- Craft/art materials (listed in the handout)
- Topic backgrounder
- Handout: Plastic Re-make Activity

Activity

Step 1: Introduction to Linear vs Circular Economy

Read the topic backgrounder to the class and display the images. (5 min)

Then watch the following the videos:

- Introducing Circular Economy (grades 6-8):

 https://www.youtube.com/watch?v=_9mHi93n2AI (2:04 min)

Imagine a chair (grades 3-5):

 <https://www.youtube.com/watch?v=FKjJyus6WOg> (2:37 min)

Step 2: Complete Activity Handout

Distribute the handout and read the Plastic Re-make Activity introduction with the class (15 min).

Complete the design activity in the handout following the Design Process (2 hours).