

Milton Friedman illustrates market economies using a pencil



Milton Friedman was a renowned American economist and statistician known for his strong belief in free-market capitalism and received the Nobel Prize in Economic Sciences in 1976

<https://www.youtube.com/watch?v=67tHtpac5ws>

CIRCULAR ECONOMY DESIGN CHALLENGE



1. CHOOSE AN EVERYDAY PRODUCT

Look around the room or bring in a common household item. This could be anything from a pen to a water bottle.

2. RESEARCH THE MANUFACTURING PROCESS

Explore how your chosen product is made. What steps are involved in its production?

3. IDENTIFY MATERIALS

What materials are used? Determine how many different materials make up the product. Are there any potential issues with the material types or their sourcing?

4. UNDERSTAND THE LIFE CYCLE

Consider the typical lifespan of your chosen product. How long is it typically used before being discarded?

5. INVESTIGATE ENVIRONMENTAL IMPACT

Research the environmental consequences of the product's waste. What happens to it after disposal? Are there any harmful effects associated with its residual materials?

6. REDESIGN FOR CIRCULARITY



Now, let's get creative! Focusing on the design phase, propose changes to make the product more circular. How can we minimize waste and extend its lifespan?

Now let's start working in 5 groups (of 4-5 people) and follow the CE design challenge by picking one product.

Each group has around 30-45 min to complete the six steps for one product and to prepare a PowerPoint presentation.

Each group has about 10 minutes to present collective outcomes.