



## Lesson Plan - Recycling Middle/High School

- Students will gain knowledge of product packaging and will be able to differentiate which materials are recyclable and which materials belong in the trash.
- Students will understand that many items can be remade or recycled. Some are recycled in the curbside recycle program and others are recyclable in the programs available at local Transfer Stations, the Carroll Recycle Center or the local Salvage Yard.

### Vocabulary Words:

**Solid Waste:** All garbage or waste. It can be a solid, semi-solid, liquid or a gas. It can be reusable, recyclable, hazardous or organic.

**Reduce:** To make less of in size or amount.

**Reuse:** To use again, in another, new or different way.

**Recycle:** To pass through a series of processes and changes that will remake a solid or liquid into a new material for human use.

**Aluminum:** A chemical element that is a light silvery-grey metal.

**Glass:** A solid transparent material made from the high temperature melting of the raw materials sand, soda ash and limestone.

**Plastic:** A product that is derived from materials found in nature, such as natural gas, oil, coal, minerals and plants. Plastics can be hard or soft, thick or thin, and are extremely long lasting.

**Paper / Cardboard:** a versatile product that is typically made from trees and left over products of the lumber industry as well as recycled paper.

**Commingles:** Glass, Aluminum and Plastics that can be stored and returned together for recycling.



Double Click to Watch Video

### Watch the Video

Carroll County Solid Waste - You Tube  
Students will virtually experience:

- Where we process recycling in Carroll County
- Why it is important to recycle
- What can be recycled
- How to prepare recycling
- What recyclable materials become
- What is NOT recyclable

### Fill in the worksheet

- Students fill in the worksheet while watching video to increase understanding of recycling basics.
- Stop video at intervals, discuss questions.

email [kmonical@carrollcountysolidwaste.com](mailto:kmonical@carrollcountysolidwaste.com) for worksheet and answer key.

### Schedule a Tour!

Recycle Center tours are an impactful way to conclude the recycling lesson. Students will experience working sorting lines in the commingle and paper areas as well as a physical tour of the recycle center.

email [mwittry@carrollcountylandfill.com](mailto:mwittry@carrollcountylandfill.com) or call 712-792-5001 to schedule

**We are located at 19111 Kittyhawk Ave. Carroll, Iowa**