



## Lesson Plan - Earth Protectors

### Lessons from a Landfill - Kindergarten/4th Grade

- Students will gain knowledge of how a landfill is built and filled to protect the earth, water, air, people and animals.
- Students will understand where their trash goes and how it gets there.
- Students will be encouraged to be earth protectors by learning to reduce, reuse and recycle

#### Vocabulary Words:

**Solid Waste:** All things that we no longer need or want.

**Reduce:** To make smaller.

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

**Recycle:** To melt and reshape an item into a new item.

**Landfill:** Specially built disposal area for trash.

**Landfill Operator:** Staff who works at the landfill to help unload, bury and smash the trash.

**Working Face:** Area of the landfill where garbage trucks unload trash and landfill operators move the trash.

**Leachate:** liquid made from rain and snow flowing over the trash.



Double Click to Watch Video

#### Watch the Video

Carroll County Solid Waste - You Tube  
Students will learn:

- where their trash goes
- how it gets to the landfill
- how we keep people safe at the landfill
- how we build a landfill
- how we close a landfill
- how we keep the earth protected

#### Discussion:

Ask students how their family disposes of their trash

- burn
- curbside collection
- Brainstorm ways to make less trash
  - reusable plates, cups, bottles, lunch boxes, cloth napkins and cloth towels, wooden pencils

Discuss with students if they have been to the landfill or local Transfer Station with their parents. What was their experience like?

**Review locations of recycle bins in classroom**

#### 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@carrollcountylanfill.com](mailto:mwittry@carrollcountylanfill.com) or call 712-792-5001 to schedule**

**Tours @ 19111 Kittyhawk Ave. Carroll, Iowa**