



Waste? Not?

Video #311

Developed for Grades: 2nd - 5th

The WOW videos have been developed to inspire students to learn more about **NGSS Life Science and/or Earth Science Disciplinary Core Ideas**. These could include:

- Plants and animals (including humans) can change their environment.
- Living things need water, air, and resources from the land.
- Humans use natural resources for everything they do.
- All organisms have internal and external structures that serve various functions in growth, survival, behavior and reproduction.
- Importance of ecosystems and habitats
- Cross cutting concepts like patterns, cause and effect, etc.

The WOW videos and their support documents can also be used with **English Language Arts**. Here are some ideas:

1. Select a few questions from the Know-It-All section and have students write their answers.
2. Have students write a story related to the topic. They could even add illustrations. For some grades students could read their stories and/or video tape their readings to share.
3. Students could write a poem, a play, or a song based on something in the video that created an emotional response for them.
4. Key words in the video can be used in creative writing assignments.
5. Older students could explore the difference in learning from video as opposed to a book. What are the advantages and disadvantages?

Answer Key for Know-It-All

1. Reduce, reuse, and recycle is phrased in the order it should be performed. You should first reduce your waste, meaning purchasing less if possible or buying the largest size of an item instead of lots of small, individual packages. For example, buying a big bag of pretzels instead of a lot of small, single-serve packs. If you can't reduce the waste, you should reuse things you already have purchased (reuse the egg carton you bought for art or gardening projects). Finally, if you have purchased or reused an item, put it in the recycling or compost if possible so it can be transformed into something new.
2. Reusing or repurposing items you already have helps minimize the amount of waste that ends up in a landfill. Landfills are big piles of garbage where our waste goes that we can't recycle or compost. Once a landfill is full, a new one is created and it often covers a big piece of natural space! There are thousands of landfills in the world. They never go away on their own, although people often cover them up with dirt to hide them. What a way to treat our beautiful Planet Earth!
3. Students' answers will vary. Some household items that could be repurposed are t-shirts as rags for dirty dishes or workshop projects, old mugs and saucers as backyard mini birdbaths, plastic bags woven into reusable shopping bags, and more!

