



earthsmart

an education program
of the environmental center 

The Environmental Center provides interactive lessons that focus on waste reduction, resource conservation, and sustainability in a free classroom science series that ends with a trip to Knott Landfill*.

HANDS-ON LESSONS

Our Natural Resources

Students will see how natural resources are used in our daily lives, determine the difference between renewable and nonrenewable resources, and experience how resource use affects our future.

Carbon Footprint

This lesson introduces the concept of climate change through a lab-based activity. Students will learn the effects of excessive greenhouse gases in our atmosphere. Students then assess their carbon footprint and explore strategies for reduction. and an in-class carbon footprint calculator.

What is Away?

This lesson introduces the basics of waste and what we can do to save landfill space and resources. Through a hands-on activity, students decide what can be reduced, reused, recycled or composted. By exploring rates of decomposition, students understand that things that are "thrown away" don't "go away."

The Hidden World

Using worms and their compost, students will discover some of the world's greatest recyclers. Students explore the life cycle of Red Wigglers, and engage in the scientific process while examining their worms.

Sustainable Table

By examining everyday food items, where they come from and what they're packaged in, students will gain a new awareness about food and its impact on our environment and our communities.

Food Too Good to Waste

The average American household wastes about 25% of the food they buy. Yet, most people don't think they toss that much. Students will learn more about food waste, look at local impacts and begin to brainstorm changes they can make at home at school to reduce food from going into the landfill.

Water Wise

In partnership with the City of Bend, this lesson will teach students about the value of safe drinking water and introduce home and school conservation practices. *(City of Bend and Redmond only)*

Pollution Solution

Students will learn how to identify toxic products in the home and determine how they might affect our environment. After creating polluted water as a whole class, small groups will have an opportunity to "clean the water" through a lab-based activity. *(City of Bend and Redmond only)*

BOOK THE SERIES

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**Landfill field trip for Deschutes County students only.*

