

**2009-2010**  
**WHRO Classroom Preview**

**Series Title: Green Matters – What In The World Is Going On?**

**Curriculum Area: Science**

**Grades: 5-12**

**# of Programs/Length: 9/23 minute programs (CC)**

This 9-part series, offers students a look into what's being done around the world and what we can also do to help reduce our carbon footprint. Each program brings hopeful information from governments, corporations, environmental agencies and individuals who are finding ways to improve our planet. Using the latest global perspective, this life changing eco-friendly series deals with all things "green", whether it's organic, recyclable, sustainable, or bio.

**1.) Endangered Species** - From Tibet to Argentina and many places in-between, this encompassing look at endangered species offers insight into the plight and hope for many of our planet's animals. Along the way we'll search for species now believed extinct, such as the Yangtze Dolphin of China, to more promising efforts in Hungary for repopulating the rare white rhino.

**2.) Bio Fuels** - What do animal dung in Israel and leftover cooking oils in North America have in common? Both are being used as bio fuels for powering industrial equipment and motor vehicles. Combine this with efforts to process coconut oil from Uganda and soy from Argentina and you have the hopeful beginnings for fossil fuel independence.

**3.) Global Warming** - A critical concern for the planet today is global warming and its probable consequences. And whether warming trends are occurring because of greenhouse gases in the atmosphere or a cyclical change in the weather, we'll investigate this global issue from the polar Arctic to the polar Antarctic.

**4.) Recycling** - As the world's garbage piles grow to even greater heights, many people and industries are finding new uses for old things. In Manila, the Philippines, local women are running a thriving business repurposing old papers into fashionable accessories creating a worldwide demand. In the U.S., recycling E-Waste is big business as producers and consumers consider important ways to reduce their toxic impact on the environment. It begs the question: So, what are you doing?

**5.) Pollution** - Most everywhere in the world, the air, the ground, the drinking water, the ecosystems and even made-made structures, are impacted by the harmful effects of pollution. It's a serious problem in need of some serious solutions. This global perspective on the topic of pollution takes a closer look at the where and what, along with the when and how, of this threatening environmental issue.

**6.) Alternative Energy** - Most everyone realizes the environmental and economic cost for the dependence on fossil fuels for energy, foreign or domestic. So it makes sense to embrace other technologies that are cost efficient and sustainable, yet reduce their negative impact on the planet. Governments, industries, and people worldwide are finding new ways to reduce their energy dependency and environmental impact by investing in sustainable energy alternatives.

**7.) Organic Living** - For now, organic living is a lifestyle preference. It's based on the belief that food, clothing, and other things in one's life are best if it is of reduced (95%) or completely chemical free. However, you don't have to be a purist to make a difference in your own well-being or to improve your personal environment. In this look at modern living we'll learn some different ways the concept of organic can be incorporated into anyone's world.

**8.) Conservation** - With a growing world population, paying close attention to the optimum use and not abuse of natural resources is a compassionate idea. Whether it's reclaiming the desert in China or harvesting water in Kenya, we'll understand the important benefits of resource allocation. Preserving by conserving, what an important concept!

**9.) Eco Friendly** - When it comes to the environment each person makes a difference, each person leaves a mark. Deciding how to lighten one's footprint is usually an individual decision, but these decisions have a collective outcome. Choosing the more environmentally friendly approach to life is what this program is about. We'll hop the globe to learn about "green" weddings, constructing "green" buildings and even efforts to turn the lowly toilet just a shade greener.