

## **- STUDY GUIDE -**

### **STEVE TRASH - ECOLOGY IS AWESOME - BUS IN - SHOW**

THE STEVE TRASH - ECOLOGY IS AWESOME SHOW - STUDY GUIDE

### **GENERAL SHOW OBJECTIVES -**

**Objective #1** – Understand what pollution is, why it is harmful, and what can be done about it.

**Objective #2** - Understand that all the Earth's resources are limited and therefore valuable. They should be used wisely. This includes recycling.

**Objective #3** – Understand that interconnections exist throughout the ecological world. Everything in nature is connected.



### **STUDENTS WILL LEARN -**

What POLLUTION is and why is it bad thing?

Why is RECYCLING a smart use of natural resources.

What do we mean when we say the word ENVIRONMENT?

ECOLOGY is the study of living things and connections to their environment.

## **VOCABULARY -**

**Earth** - the only planet in our solar system that supports life.

**Ecology** – Scientific study of connections that exist in nature.

**Environment** – where a plant or animal lives and all the things that affect it there.

**Garbage or Trash** - a natural resource you've decided is not valuable anymore. A natural resource, in the wrong place, at the wrong time, in the wrong amount.

**Natural Resource** - Something that is found in nature and can be used by people. Earth's natural resources include light, air, water, plants, animals, soil, stone, minerals, and fossil fuels. People need some natural resources to live. They use others to make their lives better.

**Pollution** – is when something is added to the environment that is harmful or poisonous to living things. Smoke or dust in the air is a type of *pollution* as it is bad for the lungs when breathed in.

**Resources** - the things that the Earth provides for us that we can use.

**Recycle** - to take a resource that's been used, remanufacture it, and use it again.

**Water Cycle** - the natural movement of water through the biosphere from the atmosphere to surface of the Earth and back again.

## **IDEAS FOR DISCUSSION -**

***Please review these concepts and vocabulary words with your students. They cover ideas that are directly and indirectly addressed in the STEVE TRASH ECOLOGY IS AWESOME SHOW.***

- Why should we care about ecology?
- All living creatures are “consumers”. They must consume resources to live. What natural resources do students use in their everyday lives?
- How can pollution affect our food, water and air?

- Can pollution harm animals?
- How does recycling help prevent pollution?
- Why are trees so important in keeping the air we breathe healthy?
- What is “The Water cycle”?
- Have the students draw a picture of the living and non-living things in your environment. Discuss how these things are connected to each other biologically, chemically and atomically.

## **TEACHER RESOURCES -**

Steve Trash has lots of cool resources that teachers (grades 1-5) can use in the classroom on his web site. [www.stevetrash.com](http://www.stevetrash.com)

## **ROCKIN' ECO HERO - STEVE TRASH**

Steve Trash is the star of his own nationwide - PBS kids science show - **STEVE TRASH SCIENCE**. Want to watch? Go to official PBS site. <https://www.pbs.org/show/steve-trash-science/> and check it out or check your local PBS listings.

He was recently honored with the **EEAA'S - BEST ENVIRONMENTAL EDUCATION PROGRAM OF THE YEAR AWARD** and has also won the **OUTSTANDING RC&D PROGRAM** award and **BEST ENVIRONMENTAL SCIENCE CURRICULUM**.

He's appeared on many national and international **TV** shows including - **CBS THIS MORNING**, **ESPN OUTDOORS**, **VH1 TOP 20 COUNTDOWN** and was recently interviewed on Levar Burton's **READING RAINBOW**.

He's been featured in the **NEW YORK TIMES**, the **LOS ANGELES TIMES**, **FAST COMPANY MAGAZINE**, and he's even been on the cover of the kids' magazine, **THE WEEKLY READER**.

Always attempting to “walk the talk”, Steve lives in an energy efficient, earth birmed home with a 21 panel solar PV array, in beautiful downtown Frog Pond, Alabama. Here's a link to a story about our home.

<https://www.stevetrash.com/bio>

Steve Trash - Rockin' Eco Hero [www.stevetrash.com](http://www.stevetrash.com)