

## **- STUDY GUIDE -**

### **STEVE TRASH - SCIENCE OF ECOLOGY SHOW - BUS IN - SHOW**

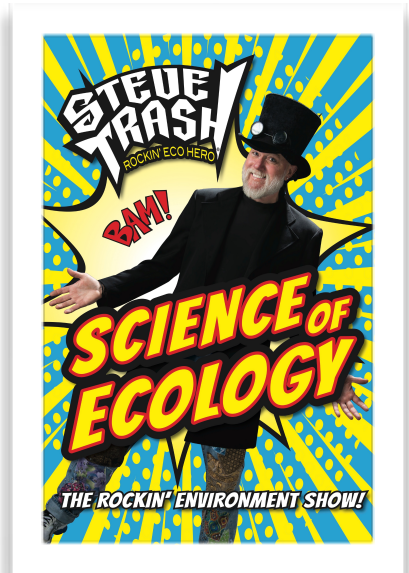
## **GENERAL SHOW OBJECTIVES -**

**Objective #1** - Understand that everything in the ecological/environmental world is connected.

**Objective #2** - Understand that all the Earth's resources are valuable and should be used wisely.

**Objective #3** - Encourage kids to Reduce, Reuse and Recycle. Show kids how they can do this.

**Objective #4** - Have an amazingly rockin' good time!



## **STUDENTS WILL LEARN -**

The Earth's NATURAL RESOURCES are limited and therefore are valuable.

Specific ways kids can Reduce, Reuse, and Recycle.

What the WATER CYCLE is, and how it works.

What items can be recycled.

Why is RECYCLING a good use of natural resources.

What ECOLOGY is.

What SCIENCE is.

The difference between RENEWABLE and NON-RENEWABLE.

## **VOCABULARY -**

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

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

**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.

**Garbage or Trash** - a natural resource you've decided is not valuable anymore.

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

**Reuse** - to use an item more than once.

**Reduce** - to decrease the amount of waste or energy used.

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

**Ecology** - the scientific study of connections that exist in nature.

## ***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 - SCIENCE OF ECOLOGY.

- All living creatures are “consumers”. They must consume resources to live. What natural resources do students use in their everyday lives?
- Of all the planets in our solar system, which planets can support carbon-based lifeforms?
- Why would Steve Trash CHOOSE to do magic tricks with trash? Is he poor? Is he rich? Does he love natural resources so much he wants to share this love in a magic show?
- How is recycling household waste similar to the way our environment recycles water, dirt, and air?
- What are some of the differences between science and magic? How does magic APPEAR to violate natural laws?
- Why is the recycle symbol one continuous loop? What systems in nature are closed/continuous loops as well?

## ***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)