

## **STUDY GUIDE - STEVE TRASH: ECOLOGY IS AWESOME –**

### **OBJECTIVES – Steve Trash: ECOLOGY IS AWESOME – Bus In - Show**

**Objective #1** – Understand that interconnections exist throughout the ecological world. Everything in nature is connected.

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

**Objective #3** – Understand what pollution is, why it is harmful and what can be done about it.

### **STUDENTS WILL LEARN – ECOLOGY IS AWESOME – Bus In - Show**

1. Ecology is the study of living things and their environment. Ecology is part of our daily lives because (as living creatures) we are a part of nature.
2. The Earth’s natural resources are limited and valuable.
3. What is “POLLUTION” and how we can help prevent it.
4. What things can be recycled and why trash is a natural resource?
5. Why is RECYCLING a smart use of natural resources?
6. What are the phases of THE WATER CYCLE?

### **VOCABULARY – ECOLOGY IS AWESOME - BUS IN - SHOW**

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

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

**Ecologist** - Ecologists are the scientists who study ecology. They are curious and like to learn about living things by observing them and seeing how they interact with their environment. They watch what happens, and record what

*Steve Trash “Ecology Is Awesome” Study Guide, page 1 of 3*

they find.

**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.

**Interconnection** – two or more things linked together, that can sometimes depend on each other to survive.

**Non-renewable resource** - A natural resource from the Earth that exists in limited supply and cannot be replaced if it is used up.

**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.

**Renewable resource** – A resource that can be totally replaced, is always available naturally, or that is practically inexhaustible.

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

**Rockin' Eco Hero** - a person that works every day to make the world a better place to live. (example: Steve Trash and kids like you!)

**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 – ECOLOGY IS AWESOME - BUS IN - SHOW**

***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?

*Steve Trash “Ecology Is Awesome” Study Guide, page 2 of 3*

- 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 living and non-living things in your environment. Discuss how these things are connected to each other biologically, chemically and atomically.

## **VIDEO RESOURCES – ECOLOGY IS AWESOME - BUS IN - SHOW**

***Steve has created several videos to help your kids learn more about ecology and the environment. You can view them online on web site.***

[http://stevetrash.com/shows\\_busin\\_ecologyisawesome](http://stevetrash.com/shows_busin_ecologyisawesome)

Steve Trash has appeared on many national and international TV shows including - CBS THIS MORNING, ESPN OUTDOORS, CBS MARKETWATCH, CNBC’S AMERICA’S TALKING, VH1 TOP 20 COUNTDOWN and was recently interviewed on Levar Burtons’ READING RAINBOW.

He’s been featured in the NEW YORK TIMES, the LOS ANGELES TIMES, the DALLAS MORNING NEWS, FAST COMPANY MAGAZINE, MAGIC MAGAZINE and he’s even been on the cover of the kids’ magazine, THE WEEKLY READER.

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