

# Fantasy Theatre Factory

presents

## The Three Mess-Keteers



### Teacher Guidelines

*Fantasy Theatre Factory Teacher Guidelines incorporate and support Florida Sunshine State Standards.*

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#### Show Synopsis

The Kingdom of Clean is in despair due to the dastardly Duke of Debris who has trashed the territory, polluted the ponds and fouled the forests with his rubbish. The Kingdom of Clean is a mess so the queen calls upon her trusted Three Mess-Keteers: Porthos, Athos and Aramis, to rescue revered resources and exact environmental justice.

Water conservation, reforestation and air pollution are only a few of the environmental issues addressed in this rollicking adventure. Inspired by Alexandre Dumas' classic novel of brotherhood and loyalty, this adventurous adaptation teaches environmental respect as it tackles some of today's most pressing pollution prevention principals.

Through physical comedy, hilarious characters and audience participation, this adventure educates as it entertains. In the end, the Mess-Keteers and the audience discover that when it comes to the environment it really is "All for one and one for all!"

#### How to Use the Teacher Guidelines

These teacher guidelines individually address the areas of water conservation, air pollution, and reforestation and provide information on how educators can incorporate conservation into an environmental science curriculum. Fantasy Theatre Factory also offers additional workshops on using drama-across-the-curriculum in your classroom.





## ***Class Discussion Questions***

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### ***Pre show:***

1. What is the environment?
2. Can you name a natural resource?
3. Why do natural resources need to be protected? Who should protect them? How?

### ***Post Show:***

1. Name the three natural resources protected by the Mess-Keteers.
2. Why were the dirty dudes bad? What did they do to the environment?
3. What did the Mess-Keteers suggest the audience do to save the water, land and air?

## **Protect The Water!**

*In the show, Mess-Keteer Aramis battles Wandalf the Water Wasting Wizard using the magic of water conservation. Here are facts and information you can use to defeat everyday water wasting wizards!*



### ***Did you know?***

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- ☑ Nearly 97 percent of all the world's water is salty or otherwise undrinkable. Another 2 percent is locked in ice caps and glaciers. That leaves 1 percent for all our needs.
- ☑ Water regulates the Earth's temperature. It also regulates the temperature of the human body!
- ☑ The average total home water use for each person in the U.S. is about 50 gallons a day.
- ☑ More water is used in the bathroom than any other place in the home.
- ☑ A dripping faucet can waste up to 2,000 gallons of water a year.



### ***What can you do?***

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- ☑ Turning off the faucet in your bathroom while you brush your teeth saves 8 gallons!
- ☑ Take short showers instead of baths. A full bathtub requires about 36 gallons of water!
- ☑ Don't let the water run constantly while you're washing or rinsing dishes.
- ☑ Fill a pitcher with tap water and put it in the fridge, rather than running the tap every time you want a cold drink!
- ☑ Clean sidewalks and driveways with a broom--Using a hose to clean a driveway can waste hundreds of gallons of water!
- ☑ Water your lawn in the early morning or evening to avoid evaporation.
- ☑ Avoid flushing the toilet unnecessarily. Dispose of tissues, insects and other such waste in the trash rather than the toilet.
- ☑ Place a layer of mulch around trees and plants to retain water.



### ***Activity: "Water Conservation Campaign"***

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***Encourage your school system, your family and community to help develop and promote a water conservation plan.***

☑ ***Have everyone in your class design posters and brochures that encourage water conservation and post them around the school.***

- Be sure to include water saving tips in your posters.
- Write a commercial about water conservation and film it to show to other classes.

☑ ***Write short poems about saving water then create colorful water saving signs.***

- Take them home and place them right near water sources like the bathroom and kitchen sinks.

***Sunshine State Standards Addressed:***

***4<sup>th</sup> Grade:***

***SC.4.L.17.In.d Recognize things that people do to help or hurt the environment, such as recycling and pollution***



## **Protect The Land!**

*Fred defends the land from the dirty damsel and her tower of trash - be a hero and reuse and recycle your way to a cleaner planet and rescue the Earth!*



### ***Why Reuse and Recycle?***

- Each US citizen throws away **1,600 pounds** of garbage each year! That's **409 million tons** of total United States garbage every year! (*Biocycle magazine*)
- By recycling one ton of paper you save: **17 trees, 6953 gallons of water, 463 gallons of oil, 587 pounds of air pollution, 3.06 cubic yards of landfill space and 4077 kilowatt hours of energy!**
- If all morning papers read in the U.S. were recycled **41,000 trees** would be save daily and **6 million tons of waste** would never end up in landfills.

- Recycling one glass bottle saves enough electricity to light a **100 watt bulb** for four hours.
- Americans throw away enough steel (like tin cans) every year to build all the new cars made in America.
- The equivalent of **ten city blocks of rainforest** (home to 50% of the world's plants and animals) is destroyed every minute, that's an area the size of Pennsylvania lost every year!
- Try not to use Styrofoam (or polystyrene) because it is un-recycleable! It can **never** be made into new Styrofoam.



Here are some crafty ideas to help you reuse household items instead of throwing them out! Instead of buying new materials, try to re-use what you already have.



### **Milk Jug Birdfeeder**

Materials: Gallon or Quart plastic milk jug with lid, Sharp pointed scissors, Pencils, Bird seed, String or Ribbon (Use leftovers from a party or other project)

1. Rinse out an empty plastic gallon milk jug with lid.
2. Dry thoroughly.
3. Cut a window in the front of the jug, and make two small poke holes for the perches.
4. Insert pencils for perches and fill the bottom of the jug with bird seed.
5. You can either rest the bird feeder on a ledge or punch holes near the top, add string, and hang from a branch.

*\*Variations: You can use a liter soda bottle or Pringles Potato chip can too. Be creative!*



### **Juice Carton Crayon Box**

- Wash and dry an empty cardboard juice (or milk) carton and cut off the top.
- Using bits and pieces of masking tape, cover all sides-- the more tape the better.
- Use crayons to color the masking tape box. The tape makes the box sturdier and will make a great crayon holder for a desk or dresser.



### **Coffee Can Wish Bank**

- Choose something to "wish for." Cut pictures related to the wish from old magazines (don't forget to recycle them when finished!) or draw pictures (use the back side of used paper).
- Decorate the cans with glitter, the pictures, stickers etc. Cut a slit in the plastic top of the can to deposit money.
- Decorate the can with wildlife or nature photos and drawings and use the can to collect money to send a favorite environmental charity.
- Use the money to buy seedlings to plant at school or home.

***Sunshine State Standards Addressed:***

***4<sup>th</sup> Grade:***

***SC.4.L.17.Su.c Recognize ways that people can help improve the environment, such as cleaning up trash.***

 **Activity: "Leapin' Litter!"**

The Dirty Duke has left behind some of his dangerous debris! Help the Mess-Keteers clean up by choosing the proper place for each item.

**A.) In the trash. B.) Give to Charity C.) Recycle Bin D.) None of These**

			
<b>1. Magazine</b>	<b>2. Soup can</b>	<b>3. Cardboard Box</b>	<b>4. Milk Jug</b>
			
<b>5. Newspaper</b>	<b>6. Banana Peel</b>	<b>7. Milk Carton</b>	<b>8. Juice Box</b>
			
<b>9. Broken Cup</b>	<b>10. Soda Can</b>	<b>11. T Shirt</b>	<b>12. Glass Jar</b>
			
<b>13. Book</b>	<b>14. Plastic Bottle</b>	<b>15. Old Toys</b>	<b>16. Kid Brother</b>

**Answers:** 1.C, 2.C, 3.C, 4.C, 5.C, 6.A, 7.A, 8.A, 9.A, 10.C, 11. B, 12.C, 13.B, 14.C, 15.B, 16.D  
*For this and more fun environmental activities go to - [www.dnr.state.wi.us/org/caer/ce/eeek](http://www.dnr.state.wi.us/org/caer/ce/eeek)*

*Sunshine State Standards Addressed:*

4<sup>th</sup> Grade:

SC.4.L.17.Su.c Recognize ways that people can help improve the environment, such as cleaning up trash.

## Protect The Air!

*Fred's in charge of keeping the air clean - there are lots of things you can do too!*

### Where Does Air Pollution Come From?



#### **YOUR HOME**

Household items such as lights, appliances and television sets are powered by **electricity**. Electricity comes from power plants that burn coal, oil or natural gas called **fossil fuels**. Burning fossil fuels releases particles into the air called **Black Carbon Air Pollution**.



#### **YOUR CAR**

Vehicles account for 94% of the nitrogen oxides in the air, 78% of the carbon monoxide and 45% of the carbon dioxide. These are known as **greenhouse gases**.



*Greenhouse gases add to global warming and climate change, which is becoming a serious problem for our environment and our economy.*



#### **Activities: "Help Clear the Air!"**

##### **1. Plant a Tree!**

Trees and plants help prevent the carbon dioxide (a greenhouse gas) from building up in the air. They use carbon dioxide to make oxygen through a process called *photosynthesis*. In turn, the plants produce clean oxygen for people to breathe.

##### **2. Get Out of The Car!**

- Find a safe way to walk or ride your bike to school or the store instead of taking the car.
- Use a map to find a shorter route to the places your family travels.
- Share a car and ride with friends whenever you can - that's more fun anyway!

##### **3. Watts Going On?**

- Create fun colorful signs to post near light switches in your home reminding everyone to turn off the lights, television or computer when not in use.

#### **Sunshine State Standards Addressed:**

4<sup>th</sup> Grade:

SC.4.L.17.Su.c Recognize ways that people can help improve the environment, such as cleaning up trash

#### **Internet Resources**

[www.Earth911.org](http://www.Earth911.org)

[www.kid-at-art.com](http://www.kid-at-art.com)

[www.environmentleader.org/kids](http://www.environmentleader.org/kids)

[www.epa.gov/globalwarming/kids](http://www.epa.gov/globalwarming/kids)

[www.niehs.nih.gov/kids](http://www.niehs.nih.gov/kids)

Learn to make your own recycled paper!

Recycle by making art!

Lots of online environmental games and activities

Info on Global Warming and greenhouse gases

Great activities for students and educators



# Vocabulary

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<b>Aluminum</b>	A metal that forms a 12 <sup>th</sup> of the earth's crust
<b>Bimetal Can</b>	A can made from two or more metals, usually a steel body and an aluminum top.
<b>Biodegradable</b>	A process by which large, complex organic molecules are broken down to smaller inorganic molecules through the action of microorganisms.
<b>Compost</b>	A soil conditioning material of decomposing organic matter which provides nutrients and enhances soil structure; humus.
<b>Conservation</b>	Planned action or non action to preserve or protect living and non-living resources.
<b>Environment</b>	The whole complex of factors (such as soil, climate, and living things) that influence the plant, animal, or ecological community's form and its ability to survive.
<b>Fossil Fuel</b>	Remains of plant and animal life that are used to provide energy by combustion; coal, oil, natural gas.
<b>Hazardous Waste</b>	Materials that when improperly managed may cause or significantly contribute to serious illness or death or that may pose a substantial threat to human health or the environment.
<b>Landfill</b>	A facility used to bury waste.
<b>Litter</b>	Waste that is improperly disposed of on the street, sidewalk, lakes and other bodies of water, and in the general environment
<b>Natural Resource</b>	Something (such as a mineral, waterpower source, forest, or kind of animal) that is found in nature and is valuable to humans (for providing a source of energy, recreation, or scenic beauty).
<b>Packaging</b>	The wrapping material around a consumer item that serves to contain, identify, describe, protect, display, promote, and otherwise make the product marketable and keep it clean.
<b>Pollution</b>	Contamination of air, soil, or water with harmful substances.
<b>Polystyrene</b>	A type of plastic made of styrene may be inflated with a gas to produce polystyrene foam.
<b>Post-consumer Waste</b>	Material or product used by the consumer for its original purpose and discarded.
<b>Pre-consumer Waste</b>	Waste material generated during the manufacturing process.
<b>Recycle</b>	The process of collecting and manufacturing reclaimed material from waste.
<b>Styrofoam</b>	The trade name given to a polystyrene foam product made by Dow Chemical Company.
<b>Trash</b>	Waste materials that usually do not include garbage or scrap but may include other materials such as paint trimmings or disposable diapers.





## About Fantasy Theatre Factory

Fantasy Theatre Factory (FTF) is a professional *touring* theatre created in New York in 1977 by Ed Allen and Mimi Schultz, performing artists and teachers. FTF is currently headed by Producing Artistic Director Larry Fields. FTF presents theatre for diverse family audiences. FTF's 16 touring educational shows appeal to pre-school, elementary, family, adult and senior audiences. FTF shows cover themes of: Children's Literature, Reading, Ecology, Social Service, Black history, Bullying Prevention, Dance, English, and Music. FTF performs in rural and inner-city schools, theatres, parks, hospitals, community centers, and more. In this manner, Fantasy Theatre Factory presents more than 300 Florida programs reaching over 130,000 people each year. Fantasy Theatre Factory's mission is to make more quality theatre programs available to more people.

Learn more by visiting FTF's website @

[www.ftfshows.com](http://www.ftfshows.com)

Also Check out FTF on Social Media @

[www.facebook.com/ftfshows](http://www.facebook.com/ftfshows), [www.twitter.com/ftfshows](http://www.twitter.com/ftfshows)

[www.instagram.com/ftfshows](http://www.instagram.com/ftfshows)



## **The Three Mess-Keteers**



We love fan mail! Let us know your favorite part and how much you enjoyed the show.  
You can even draw a picture. We cannot wait to hear from you!

Dear Fantasy Theatre Factory,

Your Friend,

School:

Show:

Teacher:

Date: