

OC

SCHOOL DISTRICT OF CLAY COUNTY
FIELD TRIP REQUEST

1. School Requesting: DIS

2. Transportation (Check One):
School Bus(s) _____ Private Vehicle(s) _____ Commercial Carrier Other _____
If Commercial Carrier or Other, please state type: Academy

3. Trip(s) overnight: Yes ___ No Trip(s) out-of-state: Yes No ___

4. Dates of Field Trip*: 5/28/14 Destination*: Wild Adventures
* For School Buses...if more than one bus is requested, reference bus request form.

5. Group Taking Trip: Safety Patrol (5th + 6th graders)

6. If using private vehicles, list drivers you wish to designate as Agents of the Board and attach the necessary Agent of the Board form. _____

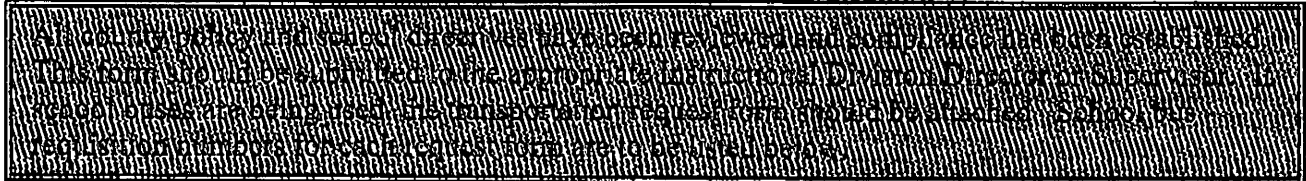
7. Educational Value of Field Trip: Combines education with animal shows and attractions. Program supports SSS and FCC standards. Recycling and Literacy (ways to reuse, recycle, renew)

8. Supporting SSS Benchmark(s) with Narrative(s): # see attached lesson plans SC.6.L.4.1 Organization - development of living organisms - Describe and identify patterns in the hierarchical organization of organisms. SC.5.L.7 - Interdependence B. Human activities can have major impacts on the environment

9. Number of Students*: 22 Number of Chaperones*: 6-7

10. Cost Per Student: \$0 Budget Code or Source to be charged: IA
(example: Internal Accounts, 5100-331, Athletic Departments)

11. Departure Time*: 7:30pm Returning Time*: 7:00pm



Bus Requisition Number(s): _____

[Signature]
Teacher, Team Leader, Department Head, Etc.
Ann H Miller
Principal

District Office Approval

Reducing Waste Lesson Plan: Changing Daily Habits

Submitted by: Rachel Zindler

Grade Levels: 6-8, 9-12

In this lesson plan, which is adaptable for grades 6-12, students use BrainPOP resources to explore the importance of reducing waste and taking care of the environment. Students will practice ways to reduce waste in the classroom and at home, then create and reflect on daily habits that demonstrate increased environmental awareness.

Students will:

1. Understand the importance of taking care of the environment
2. Practice ways to reduce waste in the classroom and at home
3. Become more environmentally aware in their daily activities

Materials:

- Paper
- Pencils
- Computers with headphones or speakers
- Optional: interactive whiteboard
- Large zip-top plastic bags
- Scale
- Chart paper
- Printouts and copies of the following BrainPOP worksheets and activities: Vocabulary sheet, Brainstorming Web, Experiment, Letter to Tim and Moby

Vocabulary:

reduce; reuse; recycle; conserve; conservation; environment; compost; landfill; pulp; sorting; contaminate; pollution; waste; groundwater; natural resources

Preparation:

Preview the movie and related features from the Recycling movie. Think about your students' abilities and consider which features are most appropriate for the individuals in your class. Print the related worksheets (listed above) and copy as needed. Prepare a class graph to keep track of the waste collection over the course of several weeks.

Lesson Procedure:

1. Kick off your Recycling unit by having students collect and keep their garbage for a day. You may want to use clear zip-top bags so that students can see the items they have collected over the course of a day. As a math connection students should weigh their bags. Challenge the class to estimate and then figure out the actual total weight of the garbage in the class for the day.
2. Ask your students where they think all this waste ends up? You can project or print the Brainstorming Web graphic organizer to keep track of their answers.
3. Before watching the movie, have your students take the related quiz as a form of pre-assessment. Remember that you can print these quizzes or use the computer for online versions.
4. Hand out the blank Vocabulary Activity Sheet to students before watching the movie. Instead, you may want to project the list on the interactive whiteboard and preview the words with your students. Remember that you can type directly onto the Activity Sheet!
5. Screen the movie for your class. Remember to pause several times during the movie for discussion. You may want to show the movie a couple of times. The first time students might just watch, and the second time they might watch, take notes on the Vocabulary Activity Sheet, and discuss the concepts.
6. Tell your class that you are challenging them to reduce the total classroom waste by at least 50%. Hand out the printout of a Dear Tim and Moby letter and ask students to write at least 4 ways they plan to reduce the waste they produce in a given day. Then gather the group to share their ideas.
7. Over the following weeks, students can create recycling bins for the classroom and lunchroom and gather recyclables and bring them to a local recycling center. They can buy and use less packaging in their lunches, begin to use scrap paper for class work, sharpen pencils less frequently, etc. They will surely think of tons of ways to reduce waste!
8. As students continue to reduce, reuse, and recycle their waste, they should continue to track how much waste they generate in a single day. It might be easiest to record the total class waste once or twice each week on a class graph, throughout the unit, so students don't have to carry their garbage around all day every day!

Reducing Waste Lesson Plan: Changing Daily Habits | BrainPOP Educators

- 9. As a related activity, students can inspire the entire school to reduce their waste as well. Print or project the **Graphs, Stats, & Numbers** feature from the FYI section of the BrainPOP's Recycling movie. Students can work in pairs to depict the statistics using pie charts or other means of representation to make environmental "factoid" posters to hang around the school.
- 10. When the class has reached the goal of producing 50% of their waste, they can have an Earth Day film festival to celebrate in the classroom or school-wide. They may want to invite friends and family members to celebrate with them so they can share what they have learned and pass along conservation tips. You can print out Moby movie tickets, have students on special panel discussions, and invite student experts to speak before/after the BrainPOP movie they are an expert in, as well as lead guests through interactive activities, role playing, and games. Throw in some popcorn and enjoy!

Extension Activity:

This lesson relies heavily on the BrainPOP movie on Recycling but there are numerous movies on the site that go into the subjects of conservation, environmental awareness and ecology. For older students you may want to assign various movies (and related features) to pairs or groups of students and then ask them to present what they learned to the class. Remember that you can differentiate easily by having pairs of students watch the same movie, but assigning more or less complex features to the individuals depending on their abilities.

Print or project the Experiment and assign small groups to create their own "landfills" either in the classroom or at home. As an extension of this activity you can have your students create a compost to produce soil for a school garden!

Related:

- [Invasive Species Lesson Plan: The Invasion Game](#)
- [Critical Thinking and Problem Solving Lesson Plan: The Quandary Game](#)
- [Persuasive Arguments About Water Ecology Lesson Plan: Citizen Science Game](#)
- [Earth Awareness Lesson Plan: What's Your Cause?](#)
- [The Environmental Cost of Oil Lesson Plan: How Oil Production Can Impact Oceans](#)

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Litter and You

Litter is the careless discard of refuse; it is misplaced, abandoned, or discarded waste.

What you throw out today can still be found on this earth for thousands of years to come.

- Glass bottles can take 1 million years to decompose.
- A plastic foam cup takes more than 500 years.
- Aluminum cans decompose in 200 – 500 years.
- Plastic bags: 10 – 20 years
- Cigarette butts: 1 – 5 years
- A piece of paper: 2-4 weeks
- Rubber boot sole: 50-80 years
- Nylon fabric: 30-40 years
- Plastic 6-pack cover: 450 years

In just four days in April 2001, the Georgia Department of Transportation collected over 79,000 bags of trash. The weight of the trash equals the weight of 12 average elephants and stacks as high as five Mount Everests.

Georgia residents use about 6.3 pounds of garbage a day.

There are 11 Litter Control Laws in Georgia. If you are found guilty of littering you can face fines up to \$1000 and can be ordered to pick up the litter in your community for community service.

In the fiscal year of 2003, the GDOT estimated the cost of litter to be 17 million dollars.

Trash from cars includes cigarette butts, fast food paper products, and beverage cans.

As the traffic in Georgia increases, so does the cost to keep our roadsides clean. The DOT estimates that an increase of 20% each year is the rising cost of litter in our state.

The Georgia DOT is responsible for maintaining 18,000 center lane miles in state routes and 5,000 shoulder miles of Interstate roadsides. If every person does their part in litter control, the state could save nearly \$3 million annually just in Atlanta alone.

During the Great American Clean-Up crew dedicated 60,000 hours of picking up to 107,631 bags of litter statewide, at a cost of \$900,000 for a one week period of time in April 2003.

What about You?

There are many ways for that one person can help keep Georgia beautiful. What can you do?

- Take an active role in your community
 - Volunteer to pick up trash
 - Find ways to recycle materials, rather than throwing them away
 - Newspapers, ink cartridges, plastic, cell phones
 - Inform others about their role in controlling litter
 - Don't throw litter from your car
- Take an active role at your school
 - Pick up litter from around the school
 - Recycle computer paper, soda cans, and plastic bottles
 - Tell other students about the importance of waste
- Take an active role at your house
 - Separate trash from recyclable materials
 - Purchase recycled products
 - Place trash in waste receptacles
 - Get your family involved
- Education and an active role in your community are the most important tools to help keep Georgia beautiful. Be a part of a winning team and do your part!

To Learn More about Litter

To become an active participant in the fight against litter, education is the key. Take time to explore the resources listed and find a role that interests you to keep Georgia beautiful.

Litter. It Costs You!

Georgia Department of Transportation

Keep Georgia Beautiful

Keep America Beautiful

US Environmental Protection Agency

<http://www.litteritcostsyou.org>

<http://www.dot.state.ga.us>

<http://www.keepgeorgiabehautiful.org>

<http://www.kab.org>

<http://www.epa.gov>

ACTIVITY 3: HOW IT ALL STACKS UP

Answer each math word problem. Include the plan you use to find your answer.

1. If there are 28,000 people in the park one summer day and half of those people drop one cup and one napkin each on the ground, how many pieces of trash will be on the ground?
2. Straws and lids are not offered in the park because they could potentially hurt the animals, if swallowed. If a group of 100 students are visiting the park and 25% of them have lids and 10% have straws, how many students would potentially be endangering the animals?
3. Wild Adventures team members make sure the park is beautiful for the guests to enjoy. If 18 team members collect 9 pieces of trash each, how much trash will the team members collect?
4. If the one contains 1,000 gallons of water and the heat of the sun absorbs 20% of the water, how many gallons of water will remain to be used again?

ACTIVITY 4: LITTER LOTTERY

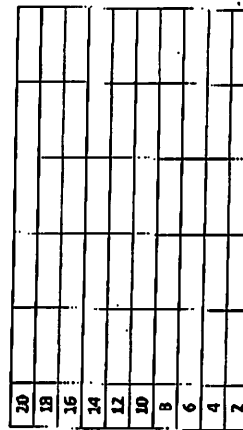
Many items can be found in the trash containers throughout the park. Create a table chart using tally marks and a bar graph to show the various items found.

- CUPS- 16 POPCORN BOXES- 9 COTTON CANDY BAGS- 5
 NAPKINS- 11 FOOD CARTONS- 13

Table Chart:

ITEM	AMOUNT
CUPS	
POPCORN BOXES	
COTTON CANDY BAGS	
NAPKINS	
FOOD CARTONS	

Bar Graph:



ACTIVITIES

ACTIVITY 1: GEORGIA FACTS

Keeping Georgia clean is a statewide effort by all Georgia citizens. How much do you know about the beautiful state of Georgia?

WORD BANK			
Jimmy Carter	Atlanta	\$14 million	6.3 pounds
Brown thrasher	live oak	59,441 sq miles	January 2, 1788

1. Each resident in the state of Georgia approximately disposes of _____ of trash each day.
2. _____, the 39th president of the United States was born in Plains, Georgia on October 1, 1924. He is a spokesman for the organization Habitat for Humanity. He hosts a Habitat for Humanity International Day one week a year, which has built more than 200,000 homes worldwide.
3. The _____ is the state bird and the mascot for Litter: It Costs You campaign.
4. It costs an estimated _____ a year to keep Georgia litter free.
5. On _____, the state of Georgia became the 4th state to become part of the United States.
6. _____ is the capital of Georgia.
7. There are _____ of beautiful land in the state of Georgia.

ACTIVITY 2: WILD ABOUT RECYCLING

Recycling can be found throughout Wild Adventures. At Wild Adventures, our team members are busy reusing materials to make our park beautiful and the experience enjoyable for all guests. The animal stage is made from reused warehouse pallets and crates. The wood is taken apart and used to create the beautiful background of the animal stage. In the Alpaha Trail, you can see many examples of recycling. The lemons frolic in an enclosed area filled with climbing rocks, vines, and waterfalls. The climbing rocks were made of recycled tires. The education stations are framed with wood from crates in the warehouse. The water in the waterfalls are cycled from the ponds and used in a continuous loop for the cascading falls that many guests love to admire. Our team members work hard to make the park beautiful and to find creative ways of using materials that other people would disregard and throw away.

Circle the correct answer.

1. What do the team members use to create the animal habitats?
 SHOES TIRES PLASTIC NEWSPAPER
 2. What materials are used to create the background to the animal stage?
 CRATES TIRES PALLETS TARPS
 3. What are the different elements that Wild Adventures reuses?
 SHOES TIRES NEWSPAPER CRATES
 4. What material is used in a continuous loop?
 FEED LEAVES WATER GRASS
- HUSKS TIRES
 GRASS TIRES



2014-2015 School

Reservation and Ticket Order Form

PLEASE DO NOT WRITE IN THIS BOX, ORDER ENTRY ONLY

Confirmation # _____

Date Entered ____/____/____ Initials _____

Date of Visit: _____ (\$23 rate only available on specific days)

Program(s) of Interest: _____

Circle Type of Group: Public School Private School Homeschool Band/Choir Other: _____

Grade: _____ How did you hear about our program? _____

Group Information

School Name: _____

Contact Name: _____

E-mail: _____

Mailing Address: _____

City: _____ State: _____ ZIP: _____

Day Phone: _____ Cell: _____ Fax: _____

Ticket Order	Rates	Quantity	Total
2014-2015 School Group Ticket - 1 Day	\$23 + tax (\$24.61)		
BONUS - one (1) complimentary/15 paid with advance reservation at least 14 days prior to arrival.	1 per paid 15		Complimentary
Meal Options			
School Group Buffet: Available only to school groups on select dates	\$8.99 + tax (\$9.61)		
Group Meal Voucher: Available only to school groups with advance reservations	\$9.50		

Order Information

- *Group buffet consists of chicken tenders, hot dogs, potato chips, ice cream cups, and unlimited Coke products & booked 14 days prior.
- *Group Meal Voucher is valid for \$10 total in any restaurant. No change is given.
- *Reservations must be made 14 days in advance to receive comp tickets and special school group rates. Rate is not available on weekends or holidays. Otherwise regular group rates apply
- *Your reservation is not confirmed until you receive a confirmation number.
- *Georgia law states that each admission charge is taxable unless the transaction is specifically exempt. The state sales tax rate is currently 7.0 percent and subject to change under Georgia law. To qualify for tax exemption, you must attach a copy of your ST-5, and the total must be paid with an organizational check or organizational credit card only. If paying by credit card with tax-exempt status, please fax an enlarged and lightened copy of the credit card matching the ST-5 with your order form.
- *Parking fees must be paid in cash upon arrival. Fee is \$10.00 per car/van. Buses are free. No charge for bus driver admission.

Payment Information

To pay by credit card, please indicate card number _____ Exp. Date: _____

Names as it appears on card: _____ Signature of Card _____

IF paying by credit card, fax completed order form to 229-219-7154

or mail with payment to: Wild Adventures, ATTN: Group Sales, 3766 Old Clayattville Rd, Valdosta, GA 31601

Rates are subject to change without notice. Some restrictions apply. School Group rate of \$23 +tax does not apply on weekends and holidays.