



# ENVIRONMENTAL EDUCATION PROGRAM GUIDE 2024

This program guide is a collection of all the environmental education opportunities available for K-12 students in the City of Mobile. Inside you will find the target age groups, program offerings, and contacts for those able to provide the learning experiences.

This is a collaborative effort among organizations committed to a Litter-Free Mobile.



*Special thanks to the organizations ready to train and/or provide litter education resources:*

#### **Alabama Coastal Foundation**

Mark Berte, *Executive Director*  
mberte@joinacf.org  
(251) 990-6002

#### **Dog River Clearwater Revival**

Morgan Counts, *Executive Director*  
morganc0517@gmail.com  
(251) 802-0869

#### **Keep Mobile Beautiful / Love Your Community**

Evelyn Deangelo, *Education and Outreach Project Coordinator*  
evelyn@keepmobilebeautiful.org  
(251) 444-7144

#### **Mobile Bay National Estuary Program**

Henry Perkins, *Private Sector Program Lead*  
hperkins@mobilebaynep.com  
(251) 431-6409

#### **Osprey Initiative, LLC**

Ellie Mallon, *Project Manager*  
ellie.mallon@osprey.world@osprey.world  
ospreyeducation@osprey.world

#### **Goodwill Easter Seals**

#### **Mobile County Recycling Center**

Sam Little, *Operations Manager*  
Mobile County Recycling Center  
slittle@goodwillgc.org  
(251) 375-4527

Mobile County owns the recycling center and has operated in partnership with Goodwill Industries of the Gulf Coast since 2014.

#### **Mobile Baykeeper**

Valerie Longa, *Educational Director*  
vlonga@mobilebaykeeper.org  
(251) 433-4229

#### **Alabama Audubon-Coastal Bird Stewardship Program**

Cortney Weatherby  
cortney@alaudubon.org  
(205) 994-8561

#### **Groundwork Mobile County**

Barja Wilson, *Executive Director*  
groundworkmobilecounty@gmail.com  
(251) 709-0412

#### **Dauphin Island Sea Lab**

Tina Miller-Way, PhD, *Chair, Discovery Hall Programs for Education & Outreach*  
tmiller-way@disl.org  
(251) 861-2141, 2257 | (251) 490-6904

Additional Partners available for education, outreach, information, and support:

Partners for Environmental Progress (PEP) ■ Jennifer Denson, *Executive Director* ■ [jdenson@pepmobile.org](mailto:jdenson@pepmobile.org) ■ (251) 342-5575



The City of Mobile launched “Litter-Free Mobile” as an organized approach to address the litter plaguing our beautiful city streets and waterways. Litter can only be corrected taking a comprehensive approach that includes education, prevention, collection, and enforcement.

The Education component starts with this booklet. It is filled with opportunities for students to learn from Mobile’s best resources – our non-profit environmental leaders. Teachers of every grade from every kind of school can find a program and a partner that will fit their students.

“We all have a responsibility to keep our community clean, and I believe we already have many of the pieces in place that will help ‘Litter-Free Mobile’ become a reality,” Mayor Sandy Stimpson said. “There is no shortage of groups already working toward this goal, and it’s the City’s job to connect and support them in those efforts while empowering businesses and residents to do their part as well.”

Excellent education programs can convince every community member to take ownership of the problem and lead to a Litter-Free Mobile. If you are interested in adding a program to this booklet, please email [callaway@cityofmobile.org](mailto:callaway@cityofmobile.org). You can find more information on our website at [www.cityofmobile.org/litter](http://www.cityofmobile.org/litter).

### Here are some of the ways we’re working to address litter:

#### Education

- Provide consistent and routine messaging about the negative impacts litter has on our environment, economy, and quality of life to audiences online and in our local schools, businesses, and community associations.
- Highlight the positive actions local groups and businesses are taking to help prevent or collect litter in our community.

#### Prevention


- Develop better rules and regulations for managing litter and renewing our efforts to create less garbage and increase recycling opportunities for Mobilians.
- Rethink how the City works to prevent and respond to litter, which includes services like recycling as well as trash can and dumpster locations.

#### Collection

- Track and organize the work that is already being done to collect litter in our community.
- Target known litter “hot spots.”
- Increase the number of personnel dedicated to litter collection and litter enforcement throughout the City.

#### Enforcement

- Target repeat offenders to show that, if you dump litter on Mobile, there will be consequences.
- Expand our enforcement efforts and use better technology to detect and monitor areas routinely used as dumpsites.

**ONEMOBILE**  *Litter Free!*

# ELEMENTARY SCHOOL

C U R R I C U L U M

## PUT LITTER IN ITS PLACE!

**Audience:** Kindergarten - 1st Grade

**Summary:** The Mobile County Environmental Enforcement Department will provide a presentation to local K- 1st graders on the causes and effects of litter in our community and provide strategies for helping to make our communities, roads, drains, and streams more litter free.

**Logistics:** In-class presentation

**Participation:** Students will learn about how they can help to put litter in its place. They will gain knowledge of the causes and effects littering has on the community and environment.

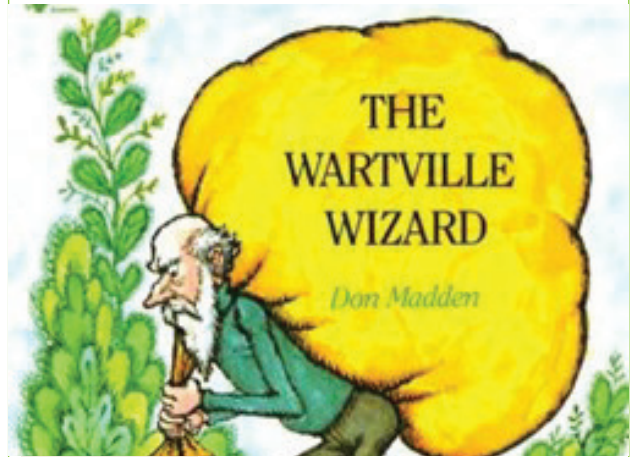
**Organization:** Mobile County Environmental Enforcement

**Contact:** Helen.wells@mobilecountyal.gov

**Important Notes:** Include school name, teacher name, number of students, and potential dates for presentations.



## THE WARTVILLE WIZARD



**Audience:** Kindergarten

**Summary:** A reading of the book, "The Wartville Wizard" will be presented to the class and after a brief talk about the problems of litter in our community. Participants will receive free educational materials. Program is approximately 30 minutes and is best suited for individual classrooms.

**Logistics:** In-class presentation

**Participation:** Students will be able to explain the problems of litter, how we can help reduce litter in the community and the best strategies for combating litter.

SCI.K.6.1: Define reduce, reuse, recycle, and impact.

SCI.K.6.2: Make a reasonable plan of possible solutions to lessen the human impact on the local environment (e.g., pick up trash around the school, create a reduced littering environment).

SCI.K.6.3: Describe ways to lessen the human impact on the local environment.

**Organization:** Keep Mobile Beautiful

**Contact:** Please email: evelyn@keepmobilebeautiful.org

**Important Notes:** Please include school name, teacher name, number of students and potential dates for presentations.

## GULF COAST BUDDY PROGRAM



**Audience:** 1st - 3rd Grades

**Summary:** The Gulf Coast Bay Buddy Program is an educational program that teaches grade specific conservation concepts to students. The 1st grade topic is oysters. 2nd grade is on sea turtles. 3rd grade is ospreys.

**Logistics:** Teachers can show free videos from our website or can schedule volunteers to provide in-class presentations.

**Participation:** This program highlights the importance of a healthy environment and how students' choices can affect the natural world.

**Organization:** Alabama Coastal Foundation

**Contact:** [www.joinACF.org](http://www.joinACF.org)



## A REDFISH TALE & FISH SLAP



**Audience:** Kindergarten - 5th Grades

**Summary:** A fish's point of view about the impacts humans have on the health of the estuary and on the water throughout the Gulf. From shopping centers to backyards to beautiful estuarine environments, Jimbo's and Thibodeaux's quick assessments and laser focus creates a fast-paced adventure full of rich visual examples and humorous observations about how the actions of one and the actions of a society can change the health of our environment.

**Logistics:** Virtual

**Participation:** Teaches students about excess nutrients in Gulf Coast water and how small changes in behavior can have a dramatic effect on water quality, the impacts humans have on the health of the estuary and on the water throughout the Gulf.

**Organization:** Mobile Bay National Estuary Program

**Contact:** <https://www.mobilebaynep.com/what-we-do/k-12-educational-resources>



# MICHAEL RECYCLE



**Audience:** 1st Grade

**Summary:** "Louie" the litterbug puppet visits your classroom and presents the story of "Michael Recycle." Participants will receive free educational materials. Program is approximately 30 minutes and is best suited for individual classrooms.

**Logistics:** In-class presentation

**Participation:** Students will learn to waste less and reuse more. They will become environmentally aware of what they can do in their classroom and community.

SS.1.1.7 Geography/Political Science: Identify ways to take personal action to protect the environment.

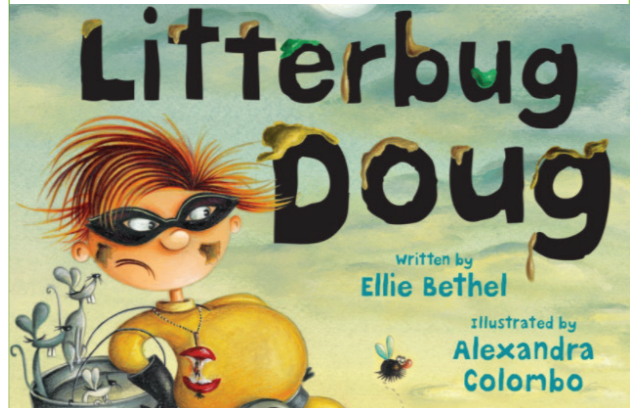
**Organization:** Keep Mobile Beautiful

**Contact:** [evelyn@keepmobilebeautiful.org](mailto:evelyn@keepmobilebeautiful.org)

**Important Notes:** Include school name, teacher name, number of students and potential dates for presentations.



# MICHAEL RECYCLE MEETS LITTERBUG DOUG



**Audience:** 2nd Grade

**Summary:** "Louie" the litterbug puppet visits your classroom and presents the story of "Michael Recycle Meets Litterbug Doug." Participants will receive free educational material. This program is approximately 30 minutes and is best suited for individual classrooms

**Logistics:** In-class presentation

**Participation:** Students will learn to waste less and reuse more. They will become environmentally aware of what they can do in their classroom and community

SS2.1.6. Economics/Geography: Identify human-made and natural resources in our world.

**Organization:** Keep Mobile Beautiful

**Contact:** [evelyn@keepmobilebeautiful.org](mailto:evelyn@keepmobilebeautiful.org)

**Important Notes:** Include school name, teacher name, number of students and potential dates for presentations.



## DISCOVER DOG RIVER!



**Audience:** **3rd Grade**, at schools in the Dog River Watershed

**Summary:** Our Dog River Clearwater Revival (DRCR) volunteers will help students gain a better understanding of the Dog River watershed and discover facts about its hidden treasures! Students will learn how to help protect Dog River by being a good river steward in their community.

**Logistics:** In-class presentation is approximately 30 minutes and best suited for individual classrooms

**Participation:** Teaches students about litter abatement, water quality, and wildlife specific to the Dog River watershed. SS3.1.6. Economics/Geography: Identify human-made and natural resources in our world.

**Organization:** **Dog River Clearwater Revival (DRCR)**

**Contact:** [info@dogriver.org](mailto:info@dogriver.org)

**Important Notes:** Please schedule in advance via email and include school name, teacher name, number of students, preferred time, and potential dates for presentation.



## SWAMP

(STRATEGIC WATERSHED AWARENESS AND MONITORING PROGRAM)



**Audience:** **4th - 5th Grades**

**Summary:** The presentation covers watershed basics, threats to water quality, and importance of clean water to our environment, economy, and quality of life.

**Logistics:** In-class or virtual presentation

**Participation:** Students will learn the importance of a healthy watershed, how their actions can impact water quality, and what they can do to protect it.

The presentation includes videos, thoughtful discussion, and a watershed table interactive.

SCI.4.15 Analyze and interpret data to determine effects of weathering and rate of erosion by water, ice, wind, and vegetation using one single form of weathering or erosion at a time.

SCI.5.16 Collect and organize scientific ideas that individuals and communities can use to protect Earth's natural resources and its environment.

**Organization:** **Mobile Baykeeper**

**Contact:** Valerie Longa  
[vlonga@mobilebaykeeper.org](mailto:vlonga@mobilebaykeeper.org)



## WATER FESTIVALS



**Audience:** 4th Grade

**Summary:** Provide students with hands-on activities such as building a watershed, examining water pollutants, and understanding the need for recycling and proper trash disposal.

**Logistics:** Field experience

**Participation:** Water festivals teach students about our coastal food web, appreciating good water quality and the effects of human actions on aquatic ecology.

**Organization:** Alabama Coastal Foundation

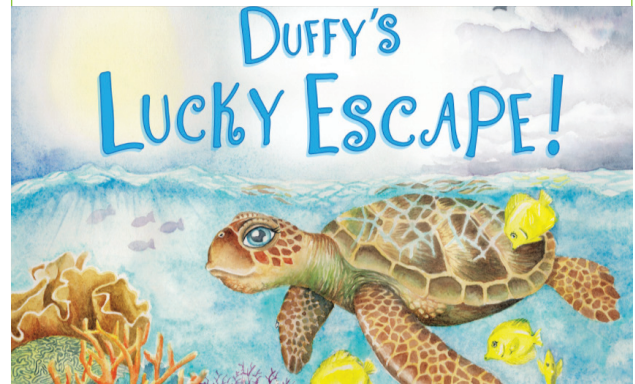
**Contact:** [www.joinACF.org](http://www.joinACF.org)



**Alabama Coastal Foundation**  
Improving and protecting Alabama's coastal environment



## SEA SURVIVAL



**Audience:** 5th Grade

**Summary:** Enjoy a visit from our staff as we read "Duffy's Lucky Escape!" This is a true story about a sea turtle who is rescued after mistaking a plastic bag and other trash in the ocean as food. We will discuss ways to reduce our dependence on single use plastic and their harmful effects on the environment.

**Logistics:** In-class presentation

**Participation:** Students will learn to identify single use plastic, reduce waste and reuse more. They will become aware of changes they can make to help the environment and the importance of eliminating marine litter.

SCI.5.10.2 Identify ways individuals and communities can protect the environment and natural resources.

SCI.5.11.2 Identify different types of pollution in the environment.

**Organization:** Keep Mobile Beautiful

**Contact:** [evelyn@keepmobilebeautiful.org](mailto:evelyn@keepmobilebeautiful.org)

**Important Notes:** Include school name, teacher name, number of students and potential dates for presentations.



## ALABAMA COASTAL KIDS QUIZ



**Audience:** 5th Grade

**Summary:** Helps fifth grade students learn about various topics related to Alabama's precious coastal environment. In addition, teachers have fifteen opportunities to receive \$100 in support of classroom instruction. Teachers must register individually to participate in this online education resource.

**Logistics:** Virtual

**Participation:** Coastal Kids Quiz provides five topic rounds each school year: Oysters, Weather, Watersheds, Insects, and Sea Turtles.

**Organization:** Alabama Coastal Foundation

**Contact:** [www.joinACF.org](http://www.joinACF.org)



# Notes





# MIDDLE SCHOOL

C U R R I C U L U M

## OSPREY INITIATIVE'S EDUCATION PROGRAM



**Audience:** 6th - 8th Grades

**Summary:** Osprey Initiative's Educational program focuses on informing the next generation of the movements and impacts of litter within their communities. By explaining where the floating litter comes from and how to properly recycle and dispose of it, the next generation will become more environmentally conscious with their choices.

**Logistics:** In-class presentation or field experience

**Participation:** To understand the negative effects of littering/ floating litter and how they can be part of the solution.

**Organization:** Osprey Initiative

**Contact:** Ellie Mallon  
ellie.mallon@osprey.world



## SWAMP

(STRATEGIC WATERSHED AWARENESS AND MONITORING PROGRAM)



**Audience:** 6th - 7th Grades

**Summary:** The presentation covers watershed basics, threats to water quality, the importance of clean water to our environment, economy, and quality of life.

**Logistics:** In-class or virtual presentation

**Participation:** Students will learn the importance of a healthy watershed, how their actions can impact water quality, and what they can do to protect it.

The presentation includes videos, thoughtful discussion, and a watershed table interactive.

SCI.6.15 Analyze evidence to explain how changes in human population, per capita consumption of natural resources, and other human activities affect Earth's systems.

SCI.7.6 Analyze and interpret data to provide evidence regarding how resource availability impacts individual organisms as well as populations of organisms within an ecosystem.

**Organization:** Mobile Baykeeper

**Contact:** Valerie Longa  
vlonga@mobilebaykeeper.org



# A REDFISH TALE & FISH SLAP



**Audience:** **6th - 8th Grades**

**Summary:** A fish's point of view about the impacts humans have on the health of the estuary and on the water throughout the Gulf. From shopping centers to backyards to beautiful estuarine environments, Jimbo's and Thibodeaux's quick assessments and laser focus creates a fast-paced adventure full of rich visual examples and humorous observations about how the actions of one and the actions of a society can change the health of our environment.

**Logistics:** Virtual

**Participation:** Teaches students about excess nutrients in Gulf Coast water and how small changes in behavior can have a dramatic effect on water quality, the impacts humans have on the health of the estuary and on the water throughout the Gulf.

**Organization:** **Mobile Bay National Estuary Program**

**Contact:** <https://www.mobilebaynep.com/what-we-do/k-12-educational-resources>



# WHERE DOES YOUR RECYCLING GO?



**Audience:** **8th Grade** Mobile County Private & Public Schools

**Summary:** Experience a 45 minute tour of the Mobile County Recycling Center, operated by Goodwill:Gulf Coast, located at 450 Hitt Rd, Mobile, AL 36695. An interactive worksheet for teachers as a classroom resource will be provided for further discussion. Students will have the opportunity to volunteer while on site, hours can contribute towards community service or Love Your Community hours.

**Logistics:** Field trip

**Participation:** Students will be allowed to see what really happens when they "throw something away" or recycle something to further educate themselves on recycling and becoming more environmentally friendly.

Through a tour of a modern recycling facility, students will observe the sorting processes, technology and the baling facility. Types of recycling materials will be discussed and information will be shared about natural and synthetic materials.

SCI.8.3.2 Research how natural resources are used to make synthetic materials.  
 SCI.8.3.3 Describe how the production and use of synthetic materials impact the environment.

**Organization:** **Keep Mobile Beautiful & Mobile County Recycling Center**

**Contact:** Please email [evelyn@keepmobilebeautiful.org](mailto:evelyn@keepmobilebeautiful.org) and include school name, teacher name, number of students and potential dates for field trip tours.





# HIGH SCHOOL

C U R R I C U L U M

## COASTAL ALABAMA SERVICE-LEARNING PROGRAM (CASL)



**Audience:** 9th - 12th Grades

**Summary:** Engages high school students in coastal environmental service projects that relate to their learning experiences and academic interests.

**Logistics:** Field experience

**Participation:** CASL encourages students to be a part of cleanups and other service projects.

**Organization:** Alabama Coastal Foundation

**Contact:** [www.joinACF.org](http://www.joinACF.org)



## SWAMP (STRATEGIC WATERSHED AWARENESS AND MONITORING PROGRAM)



**Audience:** 9th - 12th Grades

**Summary:** The presentation covers watershed basics, threats to water quality, the importance of clean water to our environment, economy, and quality of life.

**Logistics:** In-class or virtual presentation

**Participation:** Students will learn the importance of a healthy watershed, how their actions can impact water quality, and what they can do to protect it.

The presentation includes videos, thoughtful discussion, and a watershed table interactive.

Alabama Course of Study:  
Environmental Science #6, 7, 10, 11, 13,14, 15

*With additional funding, SWAMP includes field experiences where students are trained to monitor 3-5 locations in the school's watershed on a monthly basis followed by a student-led, solution-based project.*

**Organization:** Mobile Baykeeper

**Contact:** Valerie Longa  
[vlonga@mobilebaykeeper.org](mailto:vlonga@mobilebaykeeper.org)



# GREAT AMERICAN CLEANUP



**Audience:** 9th - 12th Grades

**Summary:** Community cleanup event

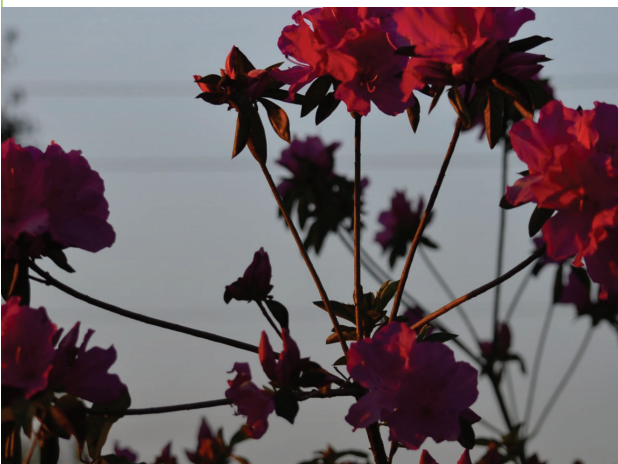
**Logistics:** Field experience

**Participation:** Create a cleaner community, assist in helping to deter litter, promote volunteerism, help create a healthier and safer environment. Registered participants will be loaned cleanup supplies, including gloves and trash bags. All participating groups will receive a Certificate of Appreciation upon returning photos and litter collection totals.

**Organization:** Keep Mobile Beautiful

**Contact:** [hello@keepmobilebeautiful.org](mailto:hello@keepmobilebeautiful.org)

**Important Notes:** Include school name, teacher name, number of students, number of supplies requested and potential dates for clean-ups.



# GROUNDWORK MOBILE COUNTY



**Audience:** 9th - 12th Grades

**Summary:** The Green Team is Groundwork Mobile County's signature youth development and job skills training program for individuals ages 14-24 in the areas of environmental conservation, historic and cultural preservation, community engagement, and neighborhood revitalization work. GWMC is committed to combating litter and the negative effects that it has on our neighborhoods and local waterways. Green Team members and volunteers conduct regular clean-ups, monitor water quality, and partner with various local environmental groups and organizations to help create a clean water future for Mobile County residents.

**Logistics:** In-class presentation and field experience

**Participation:** To become environmental stewards and to provide work opportunities.

**Organization:** Groundwork Mobile County

**Contact:** Barja Wilson  
[info@groundworkmobile.org](mailto:info@groundworkmobile.org)





# VARIOUS AGE GROUPS

## TRACKING TRASH



### Dauphin Island Sea Lab DISCOVERY HALL PROGRAMS

- Audience:** 5th - 12th Grades
- Summary:** Tracking Trash is a 5-module curriculum focusing on solving the problem of waterborne trash. The curriculum introduces students to the problem of waterborne debris, deepens understanding through study of micro plastics, introduces watersheds and currents through building drifters and challenges them to identify proper placement of litter traps.
- Logistics:** Teacher guided curriculum
- Participation:** Students identify, collect and categorize debris, students explore and model watersheds; students design and build a current drifter, students analyze current drifter data to identify suitable sites for litter traps.
- Organization:** Dauphin Island Sea Lab Discovery Hall Programs
- Contact:** Email [askdhp@disl.org](mailto:askdhp@disl.org) or call (251) 861-2141.
- Important Notes:** Curriculum available at <https://www.disl.org/dhp/educational-resources>  
  
Hands-on workshops to assist teachers in using the curriculum are available. Must provide 1-2 pictures upon completion.

## LOVE YOUR COMMUNITY



- Audience:** All Mobile County Public & Private Elementary, Middle & High Schools
- Summary:** Community cleanup event. Create a cleaner community, assist in helping to deter litter, promote volunteerism, help create a healthier and safer environment. Registered schools will be given cleanup supplies, including safety vests, litter grabbers, gloves and trash bags. All participating groups will earn hours after submitting photos and litter collection totals for their time-banking team online at [www.loveyourcommunity.com](http://www.loveyourcommunity.com).  
  
Once time-banking thresholds have been reached the group can plan a project to use the grant funds earned. Depending upon hours, grants range from \$500-1,500.
- Logistics:** Field experience
- Organization:** Love Your Community
- Contact:** [coordinator@loveyourcommunity.org](mailto:coordinator@loveyourcommunity.org)  
Include school name, teacher name, number of students, number of supplies requested and potential dates for clean-ups. Register each school or team online at [www.loveyourcommunity.com](http://www.loveyourcommunity.com)



# THE GREAT AMERICAN CLEANUP



**GREAT AMERICAN  
CLEANUP®**  
K A B . O R G

**Audience:** All Mobile County Public & Private Elementary, Middle & High Schools

**Summary:** The Great American Cleanup prompts individuals to take greater responsibility for their local environment by conducting community service projects that engage volunteers, local businesses, and civic leaders.

**Logistics:** Community cleanup event, March 20 - June 20, 2023

**Participation:** Field experience. Select an area of your choice (school grounds, playgrounds, parks, etc.) or call for suggested areas.

Create a cleaner community, assist in helping to deter litter, promote volunteerism, help create a healthier and safer environment. Registered participants will be loaned cleanup supplies, including gloves and trash bags.

All participating groups will receive a Certificate of Appreciation upon returning photos and litter collection totals.

**Organization:** Keep Mobile Beautiful

**Contact:** hello@keepmobilebeautiful and include school name, teacher name, number of students, number of supplies requested and potential dates for clean-ups.



# Notes

# Notes