The New Orleans Environmental Education Collaborative (NOEEC) is a collective organization of various Environmental Education Organizations committed to furthering environmental education in the Greater New Orleans area through collaboration, partnership development, and collective endeavors.

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About the New Orleans Environmental Education Collaborative

Formed in the winter of 2012, The New Orleans Environmental Education Collaborative (NOEEC) is a collective organization of various Environmental Education Organizations in the New Orleans area. NOEEC is committed to furthering environmental education in the Greater New Orleans area through collaboration, partnership development, and collective endeavors.

Objectives:
1. Increase knowledge of and improve access to existing environmental education programs through joint programming
2. Build capacity for existing organizations and programs by sharing ideas and resources
3. Create a venue for new ideas, partnerships, and collective endeavors

Contact the NOEEC:
- E-mail Administration Directly: noeecgroup@gmail.com
- E-mail All Member Organizations: new-orleans-environmental-education-collaborative@googlegroups.com
- Facebook: https://www.facebook.com/NOLAECC
- Website: http://noeeec.wordpress.com/
- Twitter: @noeecgroup
About this Resource Guide

This resource guide was compiled for education providers and schools by members of NOEEC, LifeCity, and Global Green USA with the aim of facilitating environmental education programming in schools and at community centers in New Orleans.

The listings in this Resource Guide will give the following information for each provider of environmental education programming:

1. Program description and objective

2. Contact Info:
   Organization Name
   Contact name
   Mailing address
   Phone number
   Email
   Website
   Twitter/Facebook

3. Link with Common Core/GLE/Learning Objectives:

4. Additional information:
   Ages served/ grades served
   Programming on or off site?
   Are the services you offer free?
   Transportation provided?
   Which neighborhoods are served/What other parishes are served?
   Willingness to work with more schools starting right away or in the near future?
1. Program Description and Objective
The Alliance for Affordable Energy’s education program focuses on teaching young students about different energy sources and conservation. The goal of our program is to introduce the concepts of clean vs. dirty and renewable vs. non-renewable energy sources, and to instill a sense of why energy conservation is important for all of our futures.

Each of our workshops features a hands-on activity that can be tailored to students’ ages and ability levels. For grades K-2, we offer an art project wherein students are given their own light switch covers to decorate and bring home as a reminder to “turn off the lights” when they are not in use. For grades 1-4, we offer a stationary “Energy Bike” generator that students can ride to produce electricity. Through riding the Energy Bike, students learn about energy efficiency by experiencing the difference in physical effort needed to power incandescent, CFL and LED light bulbs and small appliances.

2. Contact Info
Organization Name: Alliance for Affordable Energy
Contact name: John Bennett
Mailing address: 2372 St. Claude Avenue Ste. 300A, New Orleans, LA 70117
Phone number: (504) 208-9761
Email: john@all4energy.org
Website: www.all4energy.org
Twitter/Facebook: https://twitter.com/all4energy / www.facebook.com/all4energy

3. Link with Common Core/GLE/Learning Objectives
- PS-E-C6: Exploring and describing simple energy transformations
- PS-E-C7: Exploring and describing the uses of energy at school, home, and play
- SE-E-A3: Identifying ways in which humans have altered their environment, both in positive and negative ways, either for themselves or for other living things
- SE-E-A4: Understanding that the original sources of all material goods are natural resources and that the conserving and recycling of natural resources is a form of stewardship

4. Additional information:
Ages served/ grades served: Grades K-4
Programming on or off site: On
Are the services you offer free: Free for public schools; other organizations are asked to pay a modest fee (see appendix)
Transportation provided: none needed
Which neighborhoods are served: Greater New Orleans area
What other parishes are served: Statewide
Willingness to work with more schools starting right away or in the near future: Yes
1. **Program Description and Objective**
The Alliance for Affordable Energy’s education program focuses on teaching students about different energy sources and conservation. The goal of our program is to introduce the concepts of clean vs. dirty and renewable vs. non-renewable energy sources, and to instill a sense of why energy conservation is important for all of our futures.

For grades 5-12, we offer a “Kid Wind” wind turbine experiment kit that gives students the chance to learn about the science behind an actual clean energy resource. Possible experiments range from determining the most effective blade designs for wind-powered electricity generation to more general lessons about electricity, voltage, current, and resistance. Other experiments can be developed based on teacher input and classroom needs.

2. **Contact Info**
Organization Name: Alliance for Affordable Energy  
Contact name: John Bennett  
Mailing address: 2372 St. Claude Avenue Ste. 300A, New Orleans, LA 70117  
Phone number: (504) 208-9761  
Email: john@all4energy.org  
Website: www.all4energy.org  
Twitter/Facebook: www.facebook.com/all4energy / https://twitter.com/all4energy

**Link with Common Core/GLE/Learning Objectives**
- SI-M-A1: Identifying questions that can be used to design a scientific investigation  
- SI-M-A2: Designing and conducting a scientific investigation  
- SI-M-A3: Using mathematics and appropriate tools and techniques to gather, analyze, and interpret data  
- PS-M-C1: Identifying and comparing the characteristics of different types of energy  
- PS-M-C2: Tracing energy transformations in a simple system (e.g., flashlight)  
- PS-M-C6: Describing how electricity can be produced from other types of energy  
- PS-M-C8: Comparing the uses of different energy resources and their effects upon the environment  
- SE-M-A6: Distinguishing between renewable and nonrenewable resources  
- SI-H-A2: Designing and conducting scientific investigations  
- PS-H-F1: Describing and representing relationships among energy, work, power, and efficiency  
- PS-H-G2: Constructing basic electric circuits and solving problems involving voltage, current, resistance, power, and energy  
- SE-H-B1: Explaining the relationships between renewable and nonrenewable resources  
- SE-H-D4: Determining local actions that can affect the global environment

3. **Additional information:**
Ages served/ grades served: Grades 5-12
Programming on or off site: On
Are the services you offer free: Free for public schools; other organizations are asked to pay a modest fee (see appendix)
Transportation provided: none needed
Which neighborhoods are served: Greater New Orleans area
What other parishes are served: Statewide
Willingness to work with more schools starting right away or in the near future: Yes

1. Program Description and Objective
Audubon Nature Institute strives to educate its diverse audience at each of its facilities whether groups are visiting the Zoo, Aquarium or Insectarium. The Education Department provides outstanding resources, teacher workshops, and hands-on presentations to groups visiting all Audubon facilities. A schedule of each day’s activities as well as information about teacher resources and other educational opportunities offered by Audubon staff is available on Audubon’s website.

2. Contact Info
Organization name: Audubon Nature Institute
Contact name: Tricia LeBlanc
Mailing address: 1 Canal St., NOLA 70130
Phone number: 504-861-5103
Email dtvson@auduboninstitute.org
Website: www.auduboninstitute.org
Twitter /Facebook: Audubon Institute / Audubon Zoo

3. Link with Common Core/GLE/Learning Objectives
Each of the programs offered to area schools and teachers by all Audubon facilities aligns with state standards.

4. Additional Information
Programming on or off site: Both
Are the services you offer free: Depending on the program, fees may apply
Transportation provided: No
Which neighborhoods are served: Audubon serves the Greater New Orleans area
What other parishes are served: Jefferson, St. Tammany, St. Bernard, the River Parishes, other parts of the state, and regionally along the Gulf
Are you willing to work with more schools starting right away or in the near future: We are willing to work with more schools, depending on the program.
1. Program Description and Objective

Bike Easy is a nonprofit organization dedicated to making bicycling safer, easier, and more fun in Greater New Orleans, and our programs equip students to be smart, safe bicyclists and pedestrians whenever and however they walk and ride. We have a variety of programs for different age groups in Orleans Parish Schools.

For 4th and 5th grade students, we offer bike and walk safety education, putting students on bikes to practice safe techniques during PE, Health, or Enrichment periods. Scheduling is flexible depending on school needs, though we prefer to work with schools for a minimum of 2 class periods to deliver this program. Students will learn and practice the basics of bicycle safety, including right of way, signaling, fitting a helmet, and riding safely on the road. As part of this program, Bike Easy assists schools to organize Bike and Walk to School Day events.

For high-school age students, we offer seminars on safe driving techniques around bicyclists and pedestrians, as well as an opportunity to learn basic bicycle safety and take a neighborhood ride to learn about bicycle safety and infrastructure.

We also offer shorter, in-classroom presentations to grades 3-8 focusing on the benefits of bicycling, rules of the road, and essential bike safety information. We are currently seeking new school partnerships, so please contact us if you are interested in offering programs in your classroom!

2. Contact Info

Organization Name: Bike Easy
Contact name: Anneka Olson, Community Education Manager
Mailing address: 4404 St. Peter Street
Phone number: 504-861-4022
Email: anneka@bikeeasy.org
Website www.bikeeasy.org
Twitter / Facebook: @bikeeasy / www.facebook.com/BikeEasy

3. Link with Common Core/GLE/Learning Objectives

Our programs with 4th and 5th Graders fulfill several of the Common Core standards:
Health - The benefits of bicycling portion of our curriculum emphasizes the ways in which a safe and healthy school environment can promote personal health (Benchmark 1-E-4).
Physical Education - Our on-bike program assists with the development of controlling equipment and motor skills; (Benchmark 1-E-2 and 1-E-3), as well as identifying the physical benefits of participating in health-related ideas (Benchmark 3-E-, 3-E-2, and 2-E-3).
Social Studies - The mapping portion of our pedestrian safety curriculum helps students understand the world in spatial terms and compare maps (Benchmarks G-1A-M1 and G-1A-M2).

4. Additional information:
   Ages served/ grades served: 3-12
   Programming on or off site? On-site. We will provide 15 bikes for on-bike programs.
   Are the services you offer free? Yes.
   Transportation provided? ---
   Which neighborhoods are served/What other parishes are served? Orleans Parish
   Willingness to work with more schools starting right away or in the near future: We have several opportunities to offer programs in schools and are seeking partnerships for the 2014-15 school year!

New Orleans Botanical Garden

1. Program Description and Objective
   The New Orleans Botanical Garden offers students and educators a wonderful opportunity to explore the natural world through educational tours and classes. Bring a field trip group for a tour with one of our educational guides, or develop your own field trip using the help of our GLE correlated Teacher Resource Programs. Also, encourage your students to attend Saturday morning Growing Gardener classes for ages 6-9.

2. Contact Info:
   Organization name: New Orleans Botanical Garden
   Contact name: Botanical Garden Education Staff
   Mailing address: 1 Palm Drive, New Orleans, LA 70124
   Phone number: 504-483-9473; 504-483-9470
   Email: nobgeducation@nocp.org
   Website: http://neworleanscitypark.com/botanical-garden
   Twitter/Facebook: https://twitter.com/NOLACityPark / https://www.facebook.com/new.o.garden?fref=ts

3. See Common Core/GLE/Learning Objectives here:
   http://neworleanscitypark.com/botanical-garden/botanical-garden-teachers-resources

4. Additional information:
   Ages served/grades served: K - College
   Programming on or off site: On site
   Are the services you offer free: No
   Transportation provided: No
   Which neighborhoods are served/What other parishes are served: All interested!
   Willingness to work with more schools starting right away or in the near future: Yes
Energy Wise Alliance

1. Program description and objective
   Energy Wise Alliance educates the people of Louisiana to be savvy energy consumers. Louisianans have among the highest energy bills in the country, and yet some of the lowest energy rates: providing drastic room for improvement through conservation. We reach youth through whole grade workshops and adults through existing neighborhood, church and organization meetings.

   **Green School Jump Start:** 30 minutes for administrators, PTA and faculty
   Learn how your school can take the first green steps through the USGBC Louisiana's Green Schools Challenge. Successes at other LA schools include starting a recycle program, planting gardens, managing energy and more. The Challenge is led by school personnel and with the help of an assigned mentor, jump start a green program at your school that can be part of the annual curriculum, making the school building a teaching tool.

   **Energy and You:** 60 min, up to 90 students in 3 rotating stations (grades K-8)
   A hands-on, minds-on workshop about where energy comes from, how it gets to our homes, energy loss in your home and making your own electricity. We bring materials and supplies for our coloring activity, an infrared camera, visual aids, and a bicycle generator.

   **Green Jobs and Economy:** 45 min, in classroom with Powerpoint (grades 8-12)
   Two energy professionals visit your classroom, discuss the green energy economy, where residential consumers can save energy professions, training and skills needed in the market, and next steps for saving energy at home. Optional bicycle generator activity.

2. Contact Info:
   - Organization name: Energy Wise Alliance
   - Contact name: Jamie Wine
   - Mailing address: PO BOX 4004, New Orleans, LA 70118
   - Phone number: 504-656-6224
   - Email: jamie@energyla.org
   - Website: energyla.org
   - Twitter/Facebook: @energy_wise_la / https://www.facebook.com/EnergyWiseAlliance

4. Additional information:
   - Ages served/ grades served: k-12
   - Programming on or off site: At your location
   - Are the services you offer free: Yes
   - Transportation provided: NA
   - Which neighborhoods are served/What other parishes are served:
     Orleans (East and West Bank), Jefferson, Plaquemines, St. Tammany, St. Bernard
     Baton Rouge, Lafayette, Thibodeaux, Houma, Hammond
Willingness to work with more schools starting right away or in the near future: Right away

5. Partner Organizations
Energy Wise Alliance collaborates with USGBC Louisiana, The Alliance for Affordable Energy, The Green Project (nonprofits) and Life City, PosiGen and other solar companies (for profits).

The Green Project

1. Program description and objective
At The Green Project, we believe that when individuals understand the impact of their actions and decisions, they are more likely to make environmentally responsible choices.

Our Environmental Education Program helps people to understand how our daily choices affect the health of our planet. We believe that the three R’s of sustainability—reducing our use of non-renewable resources, reusing materials for their full life, and recycling items that can be recycled—are key components to living environmentally responsible lives and securing a sustainable future.

We can custom design a lesson to fit your educational needs. Below are two examples of the lessons we offer:

Where is Away?
(K-12; content adjusted according to age group)
Students will discover what it really means when we throw our trash “away.” We will trace our lunch packaging waste from our hands all the way to either the landfill or the recycling center. Students will analyze where paper, plastic, and metals come from and how we can reduce our consumption as a way to conserve natural resources.

Our Choices, Our Planet
(K-12; content adjusted according to age group)
Students will listen to a story about ways they can help the health of our planet. From planting seeds to help air quality, to turning off TVs when not in use in order to save energy, students will examine their current behaviors at home and discuss suggestions of changes they can make in order to contribute to a healthier planet.

2. Contact Info:
Organization Name: The Green Project
Contact: Environmental Education Coordinator
Mailing address: 2831 Marais St., New Orleans, LA 70117
3. Links with Common Core/GLE/Learning Objectives
   - Compare common objects and identify them by the original material from which they are made (e.g. paper, pencil, comb);
   - Classify manufactured products according to the natural resources from which they are made (e.g. copper wire from copper ore, plastic from petroleum);
   - Explain how renewable and non-renewable resources can be replenished or depleted;
   - Describe how consumption of resources can be reduced by recycling, reusing, and conserving;
   - Explain why most of the water on Earth cannot be used as drinking (potable) water;
   - Describe how humans have had negative and positive effects on organisms and their environments

4. Additional information:
   Ages served/ grades served: K through 12
   Duration of Program: Variable; anywhere from 30 to 90 minutes dep
   Programming on or off site: Off-site. We will travel to your site to provide our programming. (Field trips to the Green Project are also available.)
   Are the services you offer free: Yes
   Transportation provided: If you would like to travel to the Green Project for a field trip, we do not offer transportation.
   Which neighborhoods are served/What other parishes are served: Anywhere within a 60-mile radius of New Orleans
   Willingness to work with more schools starting right away or in the near future: Available now

Global Green USA
Be Energy Smart, Energy Efficiency

1. Program Description and Objective
   The Be Energy Smart program aims to educate New Orleans students about an energy efficient way of living and help them to achieve actual energy reductions through installing Energy Smart energy kits in their homes. The 1 or 2 day program (teachers’ choice) covers energy sources, the effects of energy on the environment, home and school energy use, how to make a home more energy efficient, and behavior changes to conserve energy. Each student is sent home with an energy kit including CFL bulbs and other items to be installed at home. Energy Smart is a City Council developed, Entergy New Orleans administered energy efficiency program. The schools initiative is in partnership with Global Green’s NOLA Wise program.
2. Contact Info
Organization name: Global Green USA
Contact name: Monica Rowand
Mailing address: 2705 S. Broad St., New Orleans, LA 70125
Phone number: 504-525-2121
Email: mrowand@globalgreen.org
Website: www.nolawise.org www.globalgreen.org
Twitter /Facebook: www.facebook.com/nolawise / www.twitter.com/nolawise

3. Link with Common Core/GLE/Learning Objectives
Science GLE’s Grade 6 | Math Common Core Grade 6
---|---
SI-M-A3 | PC-M-C1 | SE-M-A6
SI-M-A4 | PS-M-C2 | RP- Ratios and Proportional Relationships
SI-M-B5 | PS-M-C8

4. Additional Information
Ages served / Grades served: 6th grade (7th and 8th grade possible)
Programming on or off site: On, in class
Are the services you offer free: Yes
Transportation provided: None needed
Which neighborhoods are served: Orleans parish (East and West Banks included)
What other parishes are served: none
Are you willing to work with more schools starting right away or in the near future: Yes, both

Global Green USA
Green Building and Living- Holy Cross Project

1. Program Description and Objective
The Holy Cross Project was born out of a high-profile Sustainable Design Competition that Global Green USA held in 2006 with the leadership of jury chair Brad Pitt. The project consists of three phases: five LEED Platinum single-family homes, a Community Development and Climate Action Center, and a 20-unit affordable apartment complex. The first single family home serves as a Visitor Center and model home where residents, students, tourists, and contractors can tour the home to see sustainable technologies in use. The Visitor Center has hosted over 25,000 visitors since opening in 2008. The “Global Green 21st Century Shotgun Home” includes borate treated wood to repel both mold and termites; geothermal heating and cooling; solar panels; energy efficient design, lighting and appliances; superior air quality, natural lighting and air flow; repurposed, natural, and locally sourced materials throughout; extensive and educational monitoring system; extensive rain gardens and bio-swales to beautify the area and reduce storm water runoff.
2. Contact Info
Organization name: Global Green USA
Contact name: Michelle Pyne
Mailing address: 2705 S. Broad St., New Orleans, LA 70125
Phone number: 504-525-2121
Email: mpyne@globalgreen.org
Website: www.nolawise.org  www.globalgreen.org
Twitter /Facebook: www.facebook.com/nolawise / www.twitter.com/nolawise

3. Link with Common Core/GLE/Learning Objectives
N/A

4. Additional Information
Ages served / Grades served: all grades
Programming on or off site: off site in the Lower 9th Ward (409 Andry St., New Orleans)
Are the services you offer free: Suggested donation of $5 per person
Transportation provided: No
Which neighborhoods are served: All
What other parishes are served: All
Are you willing to work with more schools starting right away or in the near future: Yes

Green Light New Orleans

1. Program Description and Objective
Green Light New Orleans invests energy in people by assisting New Orleans residents in person, one household at a time. Our volunteers install free energy efficient light bulbs and backyard vegetable gardens to demonstrate that a mass movement of individual actions creates a significant impact on our environment and community. We connect New Orleans residents to relevant, local opportunities and encourage individual actions so that everyone can benefit from a vibrant, resilient, and sustainable community.

2. Contact Info
Organization name: Green Light New Orleans
Contact name: Rebecca Fisher-McGinty
Mailing address: 8203 Jeannette St., New Orleans, LA 70118
Phone number: 504-324-2429
Email: volunteer@greenlightneworleans.org
Website: www.greenlightneworleans.org
Twitter/Facebook: @GreenLightNOLA / Green Light New Orleans

3. Link with Common Core/GLE/Learning Objectives
N/A
4. Additional Information
Ages served / Grades served: 13 years and up (with chaperones)
Programming on or off site: Both
Are the services you offer free: Yes, we hope to connect students with community service opportunities while showing them how they can have an impact with simple actions
Transportation provided: No, group must provide transportation and chaperones
Which neighborhoods are served: We serve all of Orleans Parish
Are you willing to work with more schools starting right away or in the near future: Yes

Longue Vue House & Gardens

1. Program Description and Objective
Learn to be a gardener in the Discovery Garden. Students, teachers and chaperones will visit garden stations and explore age-appropriate science concepts through hands-on gardening activities. Crush herbs, dig for worms, work together to design a garden, plant a seed, and enjoy a quiet moment in Longue Vue’s leafy garden reading area. Garden guests will record their observations on a take-home discovery sheet for further classroom discussion.

Working with local educators, Longue Vue has developed field trip experiences in the Lucy C. Roussell Discovery Garden that offer a multidisciplinary, cross-curriculum approach to including elements of social studies, language arts, mathematics, and visual arts into a science-based course of study. Art and history-focused tours of the historic house are also available. Longue Vue’s youth and family educational field trips serve children of all ages, physical and mental capabilities, backgrounds, and skill levels. All field trip experiences support Louisiana Grade Level Expectations and Common Core State Standards.

2. Contact Info
Organization name: Longue Vue House and Gardens
Contact name: Jennifer Cohn, Education and Programs Coordinator
Mailing address: 7 Bamboo Road, New Orleans, LA 70124
Phone number: 504-293-4721
Email: jcohn@longuevue.com
Website: www.longuevue.com
Twitter / Facebook: @LongueVueHG / www.facebook.com/LongueVueHouseandGardens

3. Link with Common Core/GLE/Learning Objectives
(PK-LI-S3) (PK-CLSL2) (PK-CMG3) (PK-CSSG3) (PK-CLSL1)
(EA-1-D6) (PS-E-A2) (G-2-E) (G-1A-E2) (LS-E-A4)
(EA-1E6) (ESS-E-A6) (G-3-E) (SI-E-B3) (LS-E-A1)
(EA-7-E4) (SE-E-A2) (G-1B-E3) (SI-E-B3) (LS-E-A3)
(EA-1-E5) (ESS-E-A6) (G-2-E) (SI-E-B3) (LS-E-A3) (SI-E-A2)

4. Additional Information
Ages served / Grades served: Pre-K through 12th grade
Programming on or off site: Both
Are the services you offer free: Field trips cost $4 per student and $4 per chaperone, however scholarships are available to public and charter schools in the Greater New Orleans area.
Transportation provided: No, however transportation compensation is available to public and charter schools in the Greater New Orleans area.
Which neighborhoods are served: Greater New Orleans Area
Are you willing to work with more schools starting right away or in the near future: Yes

Louisiana Green Corps

1. Program Description and Objective
Youth Construction and Conservation Corps: Jefferson and Orleans Parish residents ages 18 to 21 undergo classroom and field instruction and engage in valuable service learning projects that benefit the community. Participants are provided adult education, general construction certifications, hands-on training, job readiness, and life skills.
Summer environmental education: 14-18 year old youth with special needs learn independent living skills, environmental literacy, and work readiness skills while connecting to community resources and participating in community service projects.

2. Contact Info
Organization name: Louisiana Green Corps
Contact name: Sydney Gray
Mailing address: P.O. Box 52444, New Orleans, LA 70152
Phone number: (504) 613-4661
Email: info@lagreencorps.org
Website: http://www.lagreencorps.org/
Twitter /Facebook: https://www.facebook.com/lagreencorps

3. Link with Common Core/GLE/Learning Objectives
As the majority of the youth we serve are at-risk or special needs, we do not use Common Core Standards. The average functional grade level for our Youth Construction and Conservation Corps upon enrollment into the program is less than 5th grade.

We have developed our programming based on national best practices in conservation and construction corps. As the standard academic setting does to fit well in the demographic we serve, we have integrated the academic, construction, and environmental modules so the math and literacy taught in each section is strengthened by the other modules.

4. Additional Information
Ages served / Grades served: 18-21 years old and 14-18 years old
Programming on or off site: both
Are the services you offer free: yes
Transportation provided: transportation stipends provided for transportation to our site, transportation from our site provided
Which neighborhoods are served: All Orleans Parish
What other parishes are served: Jefferson Parish
Are you willing to work with more schools starting right away or in the near future: yes

Scrap NOLA

1. Program Description and Objective
Introducing SCRAP NOLA: SCRAP NOLA is a new creative reuse center in the St. Claude Arts District. SCRAP NOLA features and arts and crafts supply store that is stocked with donated items from local businesses, artist studios, schools, and households. Our store also has a Re:Boutique gallery showcasing local reuse artists.

SCRAP NOLA is currently building their environmental education program and will begin offering afterschool programs to area schools this fall along with a selection of offerings during fall and winter break. The goal is to encourage school kids to take the creative reuse message home and share it with the community. SCRAP NOLA champions sustainable living and affordable arts and crafts. Come by the store, located in the New Orleans Healing Center, at 2372 St. Claude (Wed-Sun 12pm-6pm). SCRAP on!

2. Contact Info
Organization name: SCRAP NOLA
Contact name: Steffany Dignum
Mailing address: 2372 St. Claude Ave., New Orleans, LA 70117
Phone number: 850-602-6162
Email: scrap@scrapnola.org
Website: www.scrapnola.org
Twitter /Facebook: https://www.facebook.com/scrapnola

3. Link with Common Core/GLE/Learning Objectives
We can develop curriculums to fit any of the items listed. Art programs available through SCRAP NOLA have the potential to teach students about all aspects of the natural environment. We can meet specific needs or tackle broader issues such as resource use, energy consumption and our impact on the planet.

4. Additional Information
Ages served / Grades served: We can tailor workshop to fit the needs of children and young adults ages 5-18 (K-12)
Programming on or off site: Programs can be conducted either on or off site with the proper authorization from parents/guardians.
Are the services you offer free: No. Until further notice we will be charging a fee for programs. Fees vary depending on size of class, supplies needed, travel, location and length of program.
Transportation provided: SCRAP NOLA is not able to provide transportation for any student(s).
Which neighborhoods are served/What other parishes are served: New Orleans, Metairie–Kenner (Jefferson, Orleans, Plaquemines, St. Bernard, St. Charles, St. James, St. John the Baptist, and St. Tammany parishes)
Are you willing to work with more schools starting right away or in the near future: SCRAP NOLA is open to collaborations and fostering positive relationships with multiple schools.

**T.R.E.E.**
Teaching Responsible Earth Education

1. Program Description and Objective
T.R.E.E. provides innovative programs which immerse children in a safe and natural learning environment while teaching 1/3 of the required benchmarks in Science and Language Arts for 4th, 5th, and 7th grade. Day and overnight programs improve conceptual life science knowledge, while enabling students to obtain a deeper understanding of and appreciation for the natural world. T.R.E.E.’s programs empower students by furthering their understanding of themselves and their environment through highly engaging, hands-on, problem-solving based learning experiences in an Outdoor Classroom.

T.R.E.E.’s goal is to teach science processes while also instilling in students an appreciation for the natural world through meaningful learning experiences. Each program is designed to increase academic success as well as empower students to gain a personal connection to nature. The lessons are designed to encourage conscious and informed decision-making processes and inspire students to seek out positive interactions with both the natural world and their learning community. Each program meets the needs of individual learning styles as well as encourages community building. Participants reduce their impact on resources as a result of our comprehensive approach.

2. Contact Info
   Organization name: T.R.E.E. – Teaching Responsible Earth Education
   Contact name: Sue Brown
   Mailing address: 1504 Magazine St., New Orleans, LA 70130
   Phone number: (504) 525-9020
   Email: tree@treetalk.org
   Website: [www.treetalk.org](http://www.treetalk.org)
   Facebook: [https://www.facebook.com/teachingresponsibleeartheducation](https://www.facebook.com/teachingresponsibleeartheducation)

3. Link with Common Core/GLE/Learning Objectives
T.R.E.E. provides innovative programs which immerse children in a safe and natural learning environment while covering 1/3 of the required benchmarks in Science and Language Arts for 4th, 5th, and 7th grade. We are aware of Common Core objectives and are ready to adapt. See website for more specific GLE objectives.

4. Additional Information
Ages served / Grades served: All ages, primarily 4th, 5th, and 7th grade students
Programming on or off site: Programs are typically offered at Jean Lafitte National Historical Park and Preserve in Barataria, LA and at our Outdoor Classroom located in Covington, LA.
Are the services you offer free: No
Transportation provided: Yes
What parishes are served: T.R.E.E. currently serves Orleans, Plaquemines, and Jefferson parishes.
Are you willing to work with more schools starting right away or in the near future: We have served most New Orleans Metro Area parishes in the past and continue to request their participation.

USGBC Louisiana

1. Program Description and Objective
MISSION: To educate Louisiana about the benefits of green building and environmental stewardship by participation in hands-on, experiential projects.

Schools are encouraged to sign up and form a Green Team, comprised of a student club, a single classroom, a grade level, or even an entire school, headed by a dedicated teacher (called the "Project Coordinator") and a mentor, a green professional in the community. One entry is allowed per school. Each Green Team will select a low- or no-cost green project. Green Teams, with their mentor's assistance, will document their project’s process, including observations of energy/resource savings and/or improved outcomes.

Each Green Team should submit a project submission cover sheet, project and results, with either a 5-minute video or digital presentation, for judging by an impartial panel of out of state representatives.

Cash Awards and trophies (at Platinum, Gold & Silver Levels) will be presented to the top Elementary, Middle and Secondary School entries. Also, teachers of winning teams will be given the opportunity to earn a Green Classroom Professional Certificate, with fees paid for by USGBC Louisiana.
2. Contact Info
Organization name: USGBC Louisiana
Contact name: Jolie Lemoine
Mailing address:
726 Woodstone Dr
Baton Rouge, LA 70808
Phone number: 504-330-1292
Email: jolie@usgbclouisiana.org
Website www.usgbclouisiana.org
Twitter /Facebook:
FB: Louisiana Green Schools Challenge or USGBC Louisiana
TW: USGBC_Louisiana

3. How your programming connects with GLEs/Common Core Standards: N/A

4. Additional information:
Ages served / Grades served: Any K-12 school in the state of Louisiana is eligible to participate
Programming on or off site: School’s Preference
Are the services you offer free? Yes
Transportation provided? No
Which neighborhoods are served: All
What other parishes are served: Entire state of Louisiana
Are you willing to work with more schools starting right away or in the near future?
Schools can register to be a part of the competition now, and the 2014 program will kick off in the Fall of 2014
Appendix 1: Alliance for Affordable Energy

Advocating for fair, affordable, environmentally responsible energy policy.

Energy Education Program

Our education program focused on teaching young students about energy sources and conservation. The goal of our program is to introduce people to the concepts of clean vs. dirty and renewable vs. non-renewable energy sources, and to instill a sense of why energy conservation is important for all of our futures.

Schedule a Workshop!

- **Public Schools**: Free
- **Private Schools**: $30 per classroom
- **After-school Programs**: $30
- **Libraries**: $20 per workshop
- **Private Events**: $50 for equipment rental, set-up, and take-down
Appendix 2: Bike Easy Youth Bicycle Programs

YOUTH BICYCLE PROGRAMS
FOR ORLEANS PARISH SCHOOLS

Bike Safety Starts with You!
For most kids, a bicycle is their first vehicle, and bicycling is their introduction to the rules of the road. The skills that we teach in our workshops and bike rodeos are critical for them to bike safely in their neighborhoods, with their families, and ride as part of Bike and Walk to School Days hosted by their schools.

Our workshops are great for parents, organizations, and schools looking to promote:

- Healthy and active behavior
- Safe and smart riding skills for daily use
- An easy way to commute to school

All workshops are taught by League of American Bicyclist-Certified Instructors.

Bike Safety Rodeo (1 hour)
Bike Easy can facilitate and run a bike “rodeo” for up to 30 students in a classroom, designed to fit into a typical 45 minute - 1 hour class period.

Our rodeos focus on giving kids the essential skills they need to bicycle safely, while creating a fun and playful series of activities for them to learn, including:

- Practice motor skills
- Learn about Helmet Fit and the “ABC Quick Check” Safety Check-over
- Practice going through intersections and signaling on their bikes
- Play games like the “Snail Race”

Bike Easy can coordinate with a PE teacher to deliver the bicycling curriculum over the course of one day, working with 4th and/or 5th grade students.

Equipment
Bike Easy will provide 15 bikes for use during the rodeo; 2 instructors; and all of the materials for a successful rodeo. We will need access to the school parking lot or recess facility, including a paved area roughly the size of a basketball court.

Interested in booking a workshop at your school?
Please contact:
Anneka Olson - Community Education Manager
anneka@bikeeasy.org - 504-861-4022
Appendix 3a: Global Green Holy Cross Project

**Holy Cross Project**

**Sustainable Village**

Completed in 2010, the first phase of the Holy Cross Project includes 5 LEED Platinum single family homes that demonstrate the efficiency and beauty of green building.

In 2012 Global Green will break ground on the Community Development and Climate Action Center (CDCAC). This community asset will be the centerpiece of the Holy Cross Project, providing space for community events, small meetings and conferences along with a visitor center and fresh food vendor.

As New Orleans rebuilds, Global Green will continue providing a visible platform for advancing sustainable building principles that transform the way buildings and communities are designed, built, and operated, enabling environmentally and socially responsible practices that improve environmental protection, economic development, and social equity.
Appendix 3b: Global Green- Be Energy Smart

**Schools Program**

**SAVE ENERGY, SAVE MONEY.**
**Be Energy Smart Classroom Program**

*Be Energy Smart* is an in-class education program open to Orleans Parish middle schools. Its purpose is to help students adopt an energy-efficient way of living, achieve actual energy reductions by installing *Be Energy Smart Energy Kits* in their homes and raise funds for their class. Energy Smart is an energy efficiency program developed by the New Orleans City Council and administered by Entergy New Orleans. This program is conducted in partnership with Global Green’s NOLA Wise program.

NOLA Wise staff members teach students about energy efficiency and provide them with *Be Energy Smart Energy Kits* to install at home. The kits help students apply what they learn in school while engaging parents and guardians in making their homes more energy efficient. Energy Kits include 4 compact fluorescent light bulbs (CFLs), 1 low-flow showerhead, 1 standard faucet aerator, 1 kitchen faucet aerator, and 1 LED nightlight - all of which are easy to install and allow families to start saving money by being Energy Smart!

**Compact Fluorescent Light bulbs (CFLs)** use ¼ the amount of energy that a traditional incandescent bulb uses. A single CFL can save 50 kilowatt hours of electricity per year.

**Low-flow showerheads** reduce water use without compromising water pressure. They can save 4,661 gallons of water per year and 351 kilowatt hours of electricity per year.

**Sink Aerators** minute reduce the flow rate (gallons per) of faucets. Installing kitchen and bathroom aerators can save over 4,000 gallons of water and 306 kilowatt hours of electricity per year.

**LED nightlights** use 80% less energy than incandescent bulbs while producing the same amount of light.

**Save Energy & Party!** If a participating class achieves 100% participation in the Energy Kit portion of the program, the class will receive a pizza party.

**Get started** by contacting NOLA Wise today! Interested teachers or faculty members should contact Monica Rowand at mrowand@globalgreen.org or 504-523-WISE (9473).
Appendix 3c: Global Green- Be Energy Smart (description #2)

Energy Smart and NOLA Wise In-School Energy Kit Program

Purpose

Educate students on the benefits of being energy-efficient by giving them Energy Smart energy kits to install in their home. They’ll achieve actual energy reductions and be rewarded with a pizza party.

How it works

Step 1: Teacher & NOLA Wise team planning session: We offer two options of lesson plans to determine what works best for each class. We’ll then schedule the first class visit.

Step 2: NOLA Wise team visit to classroom*: NOLA Wise presents the value and benefits of energy efficiency and its importance at school, home, in New Orleans and beyond. Students perform an energy audit on a home and receive an energy kit with a report form to be filled out and returned as homework so that Energy Smart is able to track installations of the items. Each energy kit contains the following:

- 4 compact fluorescent light bulbs (CFLs)
- 1 low-flow showerhead
- 1 kitchen sink low-flow aerator
- 1 bathroom sink low-flow aerator
- 1 LED nightlight

[*Depending on lesson plan chosen we will visit the classroom 1 or 2 times.]

Step 3: Collect the reporting forms: Encourage the completion and collection of the report form (primarily through assigning it as homework) as this is our primary method of tracking the program success.

Step 4: Save Energy & Party!
If a participating class achieves 100% participation in the energy kit portion of the program, the class will receive a pizza party.

Ready for your class to be Energy Smart?

Contact Monica Rowand, mrowand@globalgreen.org or call 504-525-2121 x194 to get started!

Energy Smart is a City Council developed, Entergy New Orleans administered energy efficiency program. The schools initiative is in partnership with Global Green's NOLA Wise program.
Appendix 4: Louisiana Green Corps

MISSION
Louisiana Green Corps provides environmental education and career building opportunities for people aspiring to improve their lives and our community.

VISION
We strive to be a social, environmental, and economic change agent for Southeast Louisiana.

In our work with the Greater New Orleans area over the last six years, we have learned that the surest pathway to upward mobility and civic participation for opportunity youth comes from structured training and education services, advocacy, and environmentally restorative projects in the community that a conservation corps provides.

PROGRAMS
YOUTH JOB TRAINING: Jefferson and Orleans Parish residents ages 18 to 21 undergo classroom and field instruction and engage in valuable service learning projects that benefit the community. Participants are provided adult education, general construction certifications, hands-on training, job readiness, and life skills.

SUMMER ENVIRONMENTAL EDUCATION: New Orleans youth from 14-18 year old with special needs learn independent living skills, environmental literacy, and work readiness skills while connecting to community resources and participating in community service projects.

PROJECTS
Corps projects include volunteer community service improvement projects like tree plantings, rebuild and restoration projects for low income housing, recycling, and gardening. Fee for service projects include fence installation, landscape maintenance, and half and full day crew rentals. Fees help provide paid work experience for participants and generate support for the organization.

VALUES
- Equitable and inclusive employment for all people, including individuals with disabilities
- Responsible environmental stewardship of resources- recycling building materials & promoting energy efficiency and conservation
- Respect and integrity of local culture and community: finding community based solutions to local problems
- Preservation of New Orleans neighborhoods and architectural heritage
- Redemptive spirit of people; allowing and encouraging individuals to be greater than any court record
- Commitment to community and service- promoting the Corps culture in the Greater New Orleans Area
- Continuing training & education opportunities that bring people out of poverty
Appendix 5: USGBC Louisiana Green Schools Challenge

About the USGBC Louisiana Green Schools Challenge

USGBC Louisiana challenges schools across the state to green their facilities. By getting students involved in sustainable projects, schools can lower operating costs, improve indoor learning spaces, while empowering teachers and youth, and our community forever.

The Green Schools Challenge provides the following:

- USGBC is the foremost authority on green building; we can provide mentor from our network of architects, engineers, and contractors to help schools implement successful projects, while students learn about career opportunities in sustainability. We can help you take your green projects even further!

- At the end of the school year, green projects showing the most impact will be given cash prizes & trophies by USGBC Louisiana.

- Teachers of winning teams are given the opportunity to earn a Green Classroom Professional Certificate, with fees paid for by USGBC Louisiana.

Schools are encouraged to form a Green Team and sign up for the competition. Participation is free. Green Teams may be comprised of a student club, a single classroom, a grade level, or even an entire school, headed by a dedicated teacher (called the “Project Coordinator”). One entry is allowed per school.

Each Green Team will select a low- or no-cost green project, and with their mentor’s assistance, document their project’s process, including observations of energy/resource savings and/or improved outcomes.

Examples of projects from the 2013-14 competition are:

- Community / School Gardens
- Recycling Projects: Recycled art projects and school disposal contracts
- Rain Gardens & Rain Barrels: Irrigation and storm-water management
- Energy Audits and conservation plans
- Target Material Waste Reduction Projects
- Water Conservation
- Designing and building outdoor classroom
- Hosting community cleanup days for vacant property / lot revitalization

Recognition: Cash Awards and trophies (at Platinum, Gold & Silver Levels) were presented to the top Elementary, Middle and Secondary School entries. Each winning school will be recognized at Greenbuild 2014. (Greenbuild is the largest Green Building Conference in the world, and will be hosted in New Orleans, October 2014.)

Also, teachers of winning teams had the opportunity to earn a Green Classroom Professional Certificate, with fees paid for by USGBC Louisiana.
<table>
<thead>
<tr>
<th>GLE</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scientific Inquiry</td>
<td>Use computers and/or calculators to analyze and interpret quantitative data</td>
</tr>
<tr>
<td>Energy</td>
<td>Classify energy resources as renewable, non-renewable, or inexhaustible</td>
</tr>
<tr>
<td>Energy</td>
<td>Identify and describe sources of energy used at school, home, and play</td>
</tr>
<tr>
<td>Energy</td>
<td>Discuss what types of energy make objects work (e.g. car/gasoline, water wheel/water, lamp/electricity)</td>
</tr>
<tr>
<td>Energy</td>
<td>Compare and describe the common forms of energy and explain how they are used in everyday life (electricity, heat, mechanical, etc.)</td>
</tr>
<tr>
<td>Energy</td>
<td>Explain the relationship between work input and work output by using simple machines</td>
</tr>
</tbody>
</table>
| Energy | Identify risks associated with the production and use of coal, petroleum, hydroelectricity, nuclear, and other energy forms | -Alliance for Affordable Energy  
-Global Green  
-Energy Wise Alliance |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Resources</td>
<td>Compare common objects and identify them by the original material from which they are made (e.g. paper, pencil, comb)</td>
<td>The Green Project</td>
</tr>
<tr>
<td>Resources</td>
<td>Classify manufactured products according to the natural resources from which they are made (e.g. copper wire from copper ore, plastic from petroleum)</td>
<td>The Green Project</td>
</tr>
</tbody>
</table>
| Resources | Explain how renewable and non-renewable resources can be replenished or depleted | -The Green Project  
-Alliance for Affordable Energy  
-Botanical Gardens |
| Resources | Describe how consumption of resources can be reduced by recycling, reusing, and conserving. | -The Green Project  
-Botanical Gardens |
| Resources | Explain why most of the water on Earth cannot be used as drinking (potable) water | -The Green Project  
-Global Green |
| Ecosystems | Describe ways in which habitat loss or change can occur as a result of natural events or human impact | -Global Green  
-Audubon Institute  
-Botanical Gardens |
| Ecosystems | Describe how humans have had negative and positive effects on organisms and their environments | -The Green Project  
-Global Green  
-Audubon Institute |
<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecosystems</td>
<td>Describe the effect of sudden increases or decreases of one group of organisms upon other organisms in the environment</td>
<td>Audubon Institute, Botanical Gardens</td>
</tr>
<tr>
<td>Ecosystems</td>
<td>Predict and describe consequences of the removal of one component in a balanced ecosystem (e.g. consumer, herbivores, non-living components)</td>
<td>Audubon Institute, Botanical Gardens</td>
</tr>
<tr>
<td>Ecosystems</td>
<td>Identify the components of a variety of habitats and describe how organisms in these habitats depend on each other</td>
<td>Audubon Institute, Botanical Gardens</td>
</tr>
<tr>
<td>Science and the Environment</td>
<td>Identify energy types from their source to their use and determine if the energy types are renewable, non-renewable, or inexhaustible</td>
<td>Alliance for Affordable Energy, Global Green, Energy Wise Alliance</td>
</tr>
<tr>
<td>Science and the Environment</td>
<td>Explain how the use of different energy resources affects the environment and the economy</td>
<td>Global Green</td>
</tr>
<tr>
<td>Science and the Environment</td>
<td>Identify and analyze the environmental impact of humans’ use of technology</td>
<td>Global Green</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities</td>
<td>Global Green</td>
</tr>
</tbody>
</table>