



TBG



GALVESTON BAY
FOUNDATION



HPARD
HOUSTON PARKS
AND RECREATION DEPARTMENT
A CAPRA Accredited Agency

Students' Building a More Resilient Future for Houston!
Join National Wildlife Federation's Resilience Ambassadors Program
Grants of \$3,000 for community solutions to flooding – Deadline June 15th

Severe weather events highlight Houston's enormous stormwater resilience challenges. This project will engage students in Houston ISD and their neighboring community in resilience education. Through implementation of NWF's Eco-Schools' WOW (Wetlands, Oceans, Watersheds) pathway and conducting a watershed audit, students will apply critical thinking skills to investigate storm resilience problems facing Houston, determine the impact of those issues on water quality, and create practical solutions that can help mitigate flooding in their community. Students will conduct a vulnerability assessment of their school's neighborhood and develop leadership skills as they work with their community to draft resilience guidelines and implement a green infrastructure project such as a rain garden, bioswale or pocket prairie to help mitigate flooding in their neighborhood. NWF will culminate the year working with our local partners to convene a **Resilience in Schools Symposium** in Houston where students will showcase their resilience projects.

Professional development provided by NWF and our project partners, the **Galveston Bay Foundation, Houston Parks and Recreation Department, and TBG Landscape Architects** will equip teachers with the tools and knowledge to help students gain a greater awareness and understanding of a changing climate and the connection between watershed health, flooding, and water quality. The workshops will prepare teachers and students to assess the ability of their watershed and their school's neighborhood to respond to the impacts of flooding imposed by severe weather events and a vulnerable infrastructure. Students will engage in authentic place-based learning, experiential problem-solving, creative thinking, and inquiry and science-based learning as they develop stormwater resilience solutions with their community that can be easily scaled and replicated.

SECONDARY SCHOOLS WILL RECEIVE:

1. **Grants of \$3,000 each** to implement a nature-based solution to stormwater runoff and/or flooding in their community in the Spring of 2021
2. **Two Professional Development Workshops** (6-12 grade teachers) – Friday, September 11 and Friday, October 2 2020
3. **Stipends of \$110** per teacher for each workshop and 12 hours of TEA-Approved Continuing Education Credits
4. **Classroom presentations from NWF project partners** (Galveston Bay Foundation and TBG Landscape Architects- October and November 2020
5. **One Field Trip** for up to 30 students per campus to participate in a Community Action Day at their local bayou – Saturday in November 2020 – date TBD
6. **Up to 3 site visits** per campus for project consultation from NWF and/or TBF Landscape Architects

To apply, please complete the Grant Agreement on P. 2 and the Questions on P. 3



TBG



GALVESTON BAY FOUNDATION



HPARD HOUSTON PARKS AND RECREATION DEPARTMENT A CAPRA Accredited Agency

GRANT AGREEMENT: Schools must respond to the questions on P. 3 and agree to the following:

- **Form a resilience action team** on your campus comprised of teachers, students, and volunteers. There must be a minimum of 3 teachers per school (2 must be science teachers) and 1 community volunteer – Sept. 2020
- **Form a Student Resilience Ambassador Club** or have an existing environmental or school club that will support this program -Sept. 2020
- **Attend the 2 professional development workshops** offered by NWF. The same 3 teachers and 1 community volunteer must attend each of the 2 workshops – Saturday, Sept. 12, and Saturday, Oct. 3, 2020
- **Participate in a Community Action Day** (community service project) at your local bayou (team should include students, teachers and volunteers) in partnership with NWF, Galveston Bay Foundation and the Houston Parks and Recreation Department – November, date to TBD
- **Complete the Watershed pre-audit-** October 2020 and post-audit April 2021 of your local bayou using NWF’s Eco-schools USA WOW pathway
- **Complete a neighborhood vulnerability assessment and resilience guidelines for your neighborhood** with guidance from NWF and TBG – December 2020 or January 2021
- **Implement a nature-based solution to flooding** such as a pocket prairie, rain garden, bio-swale, or wetland in your community by April of 2021
- **Attend the Resilience in Schools Symposium** to be held in Houston in the spring of 2021 – date TBD. Students will be asked to showcase their work **and help educate participants** about the important role that green infrastructure plays in absorbing stormwater and preventing or slowing run-off.
- **Complete pre-project and post-project surveys and evaluations**

We agree to the criteria listed above. Team members that circle “Y” below will attend the two workshops as requested or do all in their power to send a replacement team member.

Team Member Name/Role	Email and Cell Phone	Attend Workshop	Signature
		Y N	
		Y N	
		Y N	
		Y N	

As Principal of _____, I approve this project and will ensure three teachers attend the workshops on the dates specified, or send a replacement team member.

Principal Name: _____

Signature: _____



TBG



GALVESTON BAY
FOUNDATION



HPARD
HOUSTON PARKS
AND RECREATION DEPARTMENT
A CAPRA Accredited Agency

1. As part of the EPA Grant requirements, we are required to work with schools in Houston ISD that exhibit high need. Please check off all items applicable to your campus:

- Our school building flooded during Hurricane Harvey or has flooded during another severe weather event.
- Our school grounds flooded during Hurricane Harvey or another severe weather event but water did not come inside the buildings.
- Our school’s neighborhood was flooded during Hurricane Harvey.
- Our school grounds or school neighborhood experience flooding multiple times a year.
- Our school population is over 50% free or reduced lunch.

2. If there is a Bayou close to your school (within 5 miles), please indicate the name of the Bayou:

_____.

3. If there is not a Bayou within 5 miles of your school please indicate the name of the Bayou that is closest to your school: _____.

4. Please describe in a short paragraph – up to 250 words - why you believe this program will be beneficial to your school.

Please send completed applications to Marya Fowler fowler@nwf.org by June 15th 2020