

Children's
Environmental
Literacy
Foundation

2022-23 Lantrip Elementary Schoolwide Engagement

RECAP + IMPACT REPORT
MAY 2023

PARTNERING FOR SUSTAINABILITY



Since 2019, CELF and Lantrip Elementary School have worked together to bring Education for Sustainability to students in grades K to 5. As an Environmental Science Magnet school, Lantrip has partnered in adapting many of CELF's flagship programs--professional development, Green Careers and Green Experiences--to the specific educational aspirations of Lantrip's Houston-based students and to the Texas Essential Knowledge and Skills (TEKS) standards.

CELf's engagement has promoted sustainability and environmental stewardship in ways that foster inclusive, circular economies. By working with Lantrip's educators, CELf's inquiry-based programs have supported students to see themselves as agents of change within the systems they are part of, equipped with skills to build a brighter future.

Building on nearly 20 years of award-winning, transformative sustainability programming, CELf provides K-12 teachers with the tools, knowledge, and guidance they need to ignite a passion for and commitment to sustainability and environmental justice among students.

"HERE AT LANTRIP, WE ARE SO THANKFUL FOR THE PARTNERSHIP WITH CELF. THEY HAVE BROUGHT US NUMEROUS OPPORTUNITIES INCLUDING GUEST SPEAKERS AND FIELD TRIPS THAT ALLOW OUR STUDENTS TO CONNECT THEIR LEARNING WITH THE REAL WORLD."

**Amber Akhtar
Magnet Coordinator
Lantrip Elementary School**

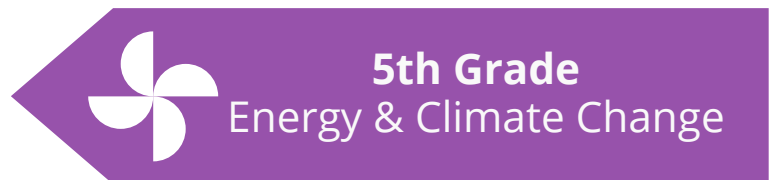
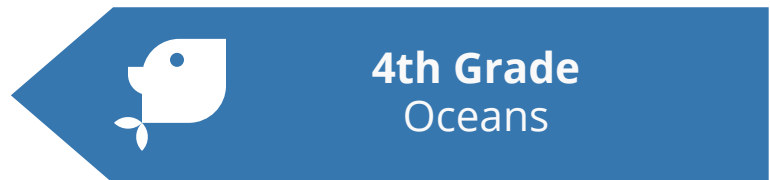
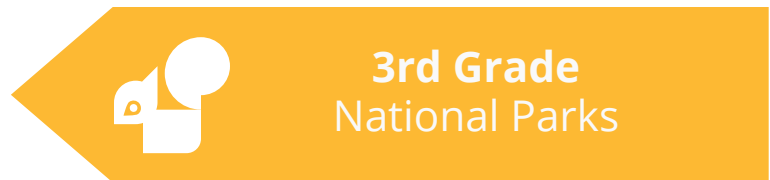
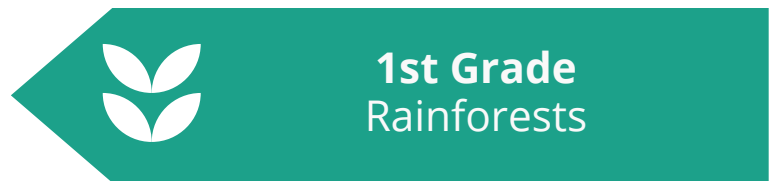


LANTRIP ELEMENTARY GRADE LEVEL THEMES

Over this academic year, CELF supported Lantrip's grade-level themes with a baseline of Education for Sustainability knowledge and skills among teachers and support for place-based project implementation.

Educators received professional development and curricular resource support from CELF to design and implement inquiry projects with students focused on community and environmental issues of interest.

During this period, CELF transitioned from virtual services to a hybrid model intertwining in-person with digital connections to work towards the Lantrip's Student Showcase 2023.



PROFESSIONAL DEVELOPMENT



In the 2022-23 school year, CELF conducted a series of professional development sessions with Lantrip Elementary School teachers, focusing on the design and implementation of student projects by gifted and talented (G/T) students. CELF encouraged teachers to explore the unique traits and needs of their G/T students, such as their advanced cognitive abilities, creativity, and desire for challenge and enrichment.

Design sessions delved into project-based learning, a teaching method that engages students in a deep exploration of a topic or issue through a project or series of projects. Educators learned how project-based learning aligns with the needs of G/T students and how to design and implement projects that challenge and engage these students. This includes exploring project ideas and formats, identifying appropriate resources and materials, and assessing the impact of the project on student learning.

Professional development sessions provided opportunities for participants to collaborate with colleagues, share ideas and resources, and receive feedback on project ideas and designs. CELF encouraged participants to reflect on their own practice, consider how they might modify or refine their teaching to better serve G/T students, and develop a plan for ongoing professional development in this area. This could include opportunities for coaching, observation, and feedback from peers and supervisors.

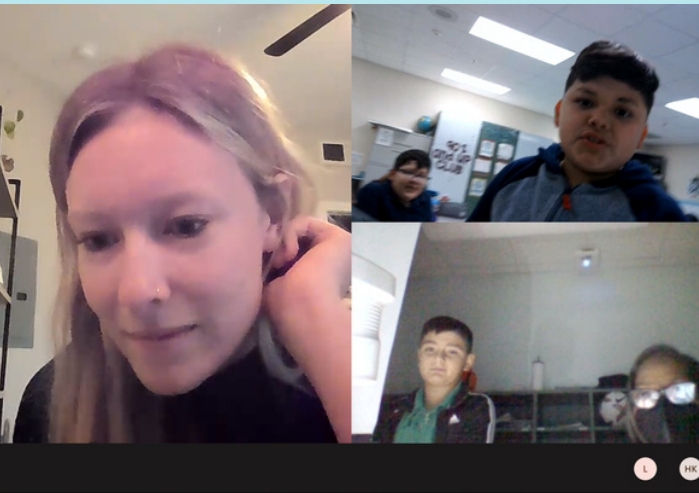


GREEN CAREER SPEAKER SERIES

The Green Careers speaker series connects teachers and students with field experts and scientists who enrich the classroom experience by sharing real-world exposure and career connection during presentations and Q&A sessions.

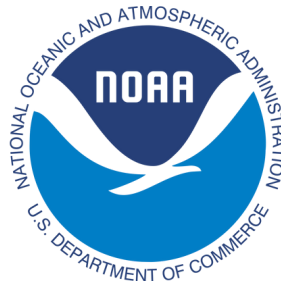
During the 2022-23 academic year, Lantrip students heard from speakers from the US Fish and Wildlife Service, the National Oceanic and Atmospheric Administration, the American Bird Conservancy, Baker Hughes, and Accuweather.

Speakers covered topics including careers in ocean and wildlife conservation, using energy to track weather, and taking science careers beyond the microscope to the outdoors



Organizations Providing Green Career Speakers

Baker Hughes 



SPLASH
STOPPING PLASTICS AND
LITTER ALONG SHORELINES



GREEN EXPERIENCES

CELF Green Experiences are field trips featuring environmental education and place-based learning with a master naturalist and other local experts. With help from the community and CELF's corporate partners, CELF facilitated several Green Experiences for Lantrip students. As part of these programs, Lantrip students hiked and learned about native plants and wildlife at Jesse Jones Park, visited a recycling center and participated in the Houston school district's pilot recycling program.

Providing Green Experiences to Title 1 schools is an equity-driven initiative aimed at bridging the gap between low-income students and their access to nature. It offers students from disadvantaged backgrounds an opportunity to connect with the environment, learn about sustainability, and engage in outdoor activities. Students benefit from exposure to nature through stress reduction, improved mental health, and increased physical activity.

In addition to promoting environmental education, this program encourages students to become active citizens who care about the health of their communities.



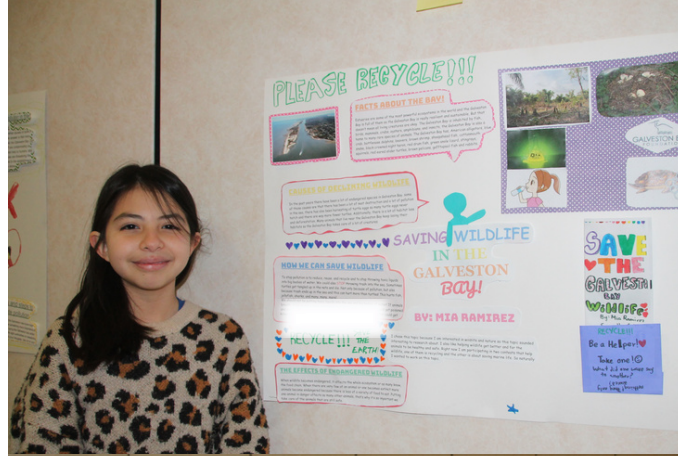
G/T STUDENT SHOWCASE

At the Lantrip Elementary School G/T Student Showcase on Friday, March 10th, students in grades K-5 presented their Gifted & Talented projects to adult decisionmakers and community members.

Approximately 60 projects were showcased, covering topics from environmental literacy and coding, to historical events and the arts. Environmentally-themed projects ranged from energy efficient home prototypes made from upcycled waste materials, to presentations on how ocean pollution hurts wildlife in Galveston Bay.

Energy levels were high in the exhibition space, filled with posters, models, interactive displays, and students eager to share their projects and engage in conversations with visitors. The showcase allowed students to demonstrate their creativity, critical thinking, and problem-solving skills, as well as to highlight individual talents and interests. Many of the projects involved research, experimentation, and collaboration with peers and teachers, providing students with valuable learning experiences and opportunities to develop new skills.

The showcase was also an important opportunity for students to interact with an authentic audience of district administrators, and local government officials and industry professionals. Participants saw first-hand the impressive work that Lantrip students are capable of and provided valuable feedback and support to help students further develop their projects and interests.



ENGAGEMENT BY THE NUMBERS

2020-2023



56

Teachers Engaged



1,800+

Direct Student Engagement



20

Green Career Speakers



3

Green Experiences



60

Student Projects

THANK YOU TO OUR PARTNERS & SUPPORTERS

