



Educational Foundation of Lake County



2018-19 Duke Energy Foundation STEM Grant

DEADLINE March 15, 2019 4:00 pm Foundation Office via Jackrabbit or Email
(weidnerg@lake.k12.fl.us)

- This Classroom Grant is for 2018-2019 school year.
- Funds must be used to address a STEM related project.
- All funds must be used by May 1, 2019. A final program evaluation must be submitted by May 15, 2019.
- Requires signature of principal and requesting party

Contact Information	
Applicant Name: Tiffany Forsyth	Position: 4 th Grade Teacher
School: Cypress Ridge Elementary	
Address: 350 East Ave, Clermont, FL. 34711	
Phone: 352-394-6633	Fax:
Email Address: forsytht@lake.k12.fl.us	

Detailed Project Information
Project Title: STEM World Changers
What priority area(s) will your project address: Science and Math
What is your estimated start date: January 5 th , 2020
Estimated number of teachers who will participate in this project: 4
Estimated Number of Total Students Impacted by project: 100
Grade Levels to be Addressed: 4 th and 5 th grade standards

Program Background:

As a STEM school, we are constantly striving to provide the STEM or STEAM experience for our students. With these STEM kits we can prepare our students for solving problems and creating and inventing technology that will inspire them to pursue these fields in their further education.

Project Summary: To enhance our 3 day Everglades Field Trip, we will be using these STEM kits to solve real world problems that affect our environment. Each of the STEM Project Based Challenges are real world problems that help us learn about pollution, conservation, ecosystems and life cycles. The students will also learn about the scientific method and the design process as they build and rebuild their prototypes of robotic arms, cranes and using natural resources to create energy.

Need:

Lakeshore Learning Global Challenges Project-Based STEM Kits and
Fully Loaded Mobile STEM Station Kit - Gr. 3-5

Project Goals and Objectives:

1. We would like to use these STEM Project Based activities to enhance and support our Everglades Experience field trip.
2. We would use the STEM Mobile cart to complete STEM Projects throughout the year to support our science and math standards.
3. To become an outstanding STEM school

Evaluation Plan: For each standard that we address we will complete a post assessment that covers in depth the standards that were taught. Student will also be responsible for completing a reflection after each STEM project completed.

Budget

Category of Expenditure	Dollar Amount	Related Activity
Computer Hardware		
Computer Software		
Other Equipment (not computers)	\$1,146.99	STEM Cart and Global Challenges Kit
Competition Registration Fees		
Program supplies		
TOTALS	\$1,146.99	

Program Approved By: _____

Principal

Funds Payable to: _____

Address: _____

498 Regatta Downs Cir.

Winter Garden, FL 34711

Phone: _____

4073192220 Email: _____

forsytht@lake.k12.fl.us

Requesting party has read and agrees with the funding policies of the Educational Foundation.

Signed _____

Tiffany Forsyth

Date _____

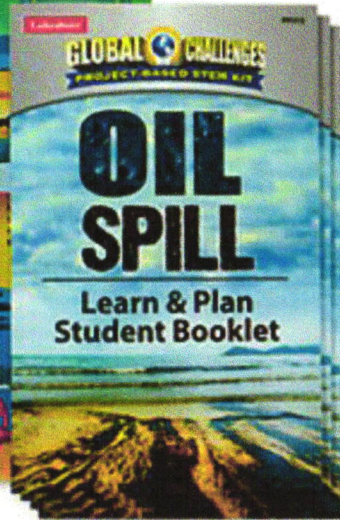
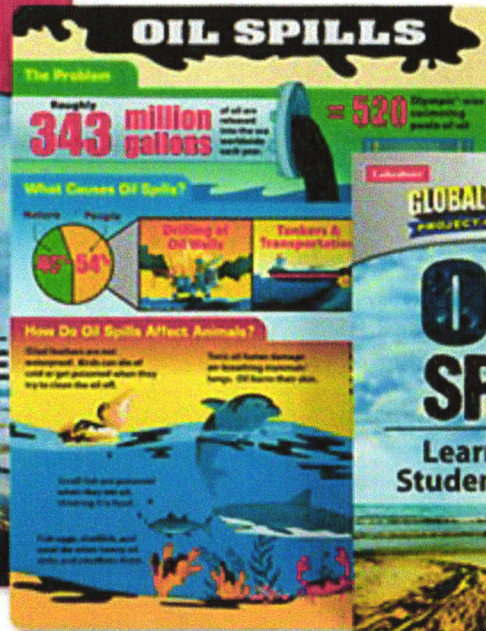
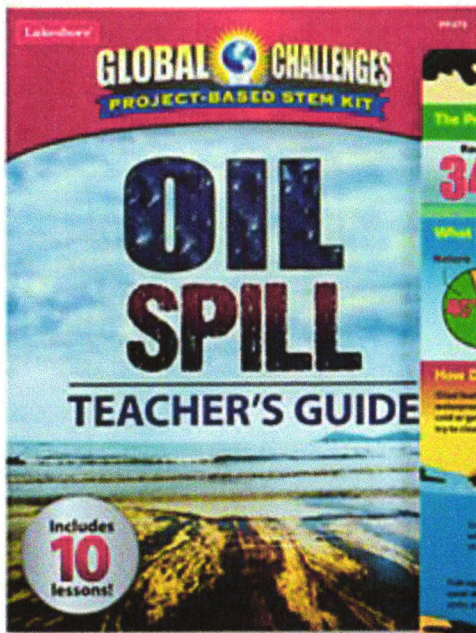
2/28/19

To be completed by foundation staff/board

Program meets Duke Energy Foundation's Mission/ Funding Policy _____Y _____N

Director Recommendation: _____

Executive Board Recommendation: _____



Challenges:

- ✓ Pick up a ball
- Put ball back down
- What is the heaviest object you can lift?

