



## Educational Foundation of Lake County

### 2018-19 Duke Energy Foundation STEM Grant

DEADLINE October 18, 2018 4:00 pm Foundation Office via Jackrabbit or Email

- 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.

<b>Contact Information</b>	
Applicant Name: Kathy Osborne	Position: Teacher
School: Seminole Springs Elementary School	
Address: 26200 W Huff Rd. Eustis, FL 32736	
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Email Address: burnsd@lake.k12.fl.us	

<b>Detailed Project Information</b>
Project Title: Supplemental Education for English Language Learners, Annual STEM Project
What priority area(s) will your project address: Ecology, Environmental Health
What is your estimated start date: November 2018
Estimated number of teachers who will participate in this project: 6
Estimated Number of Total Students Impacted by project: 12
Grade Levels to be Addressed: 1 <sup>st</sup> through 3 <sup>rd</sup>

<b>Program Background:</b> Seminole Springs Elementary is pleased to submit this proposal for services to support English Language Learners in achieving their goals for improving vocabulary and fluency by providing supplemental education provided by voluntary faculty. We have partnered with six faculty members to provide small-group instruction for up to twenty ELL students in grades 1 through 3.
<b>Project Summary:</b> Last year, the students completed a project in which they constructed a sustainable squirrel home and food source to support the fox squirrel population. The students identified this need after recognizing that several had been run over on their routes to school. It was this initiative that prompted them to investigate ways to improve the environment to support this threatened population. This year, we intend to build on this project by incorporating more evidence gathering including a population survey by observation of the squirrel house and adjacent forest area to better assess needs as we expand our "fox squirrel housing development". In addition, we intend to have the students play a more hands-on role in measuring and designing other squirrel homes and researching more about their diet to supplement the project.
<b>Need:</b> <ul style="list-style-type: none"> <li>• Need #1: Improve English Language vocabulary</li> <li>• Need #2: Improve upon weaknesses in reading comprehension and retention</li> <li>• Need #3: Achieve gains in mathematics abilities</li> </ul>

**Project Goals and Objectives:**

- Goal #1: Improve understanding of ecology and environmental science utilizing fox squirrels as a species of interest
- Goal #2: Improve upon weaknesses in science and mathematics by leveraging technology and engineering opportunities
- Goal #3: Develop sense of environmental stewardship within our community

**Evaluation Plan:** Describe how you will measure outcomes and evaluate your project.

The project will be supported and designed by voluntary faculty. Students will be assessed at the beginning of the program using the Peabody Picture Vocabulary Test, Form A and Expressive Vocabulary Test, Form A, administered by SSES Speech Language Therapist. The same outcomes will be evaluated at the conclusion of the program using Form B of the same assessments. Further STAR Reading and i-Ready scores will be utilized to evaluate longitudinal outcomes. A Pre- and Post-Project quiz will be built to assess the outcomes of this project.

**Budget**

Category of Expenditure	Dollar Amount	Related Activity
Computer Hardware		
Computer Software		
Other Equipment (not computers)	Camera- Model 119970-\$99.99, SD card 32GB-\$13.02	wildlife camera and SD card to observe and graph squirrel activity
Competition Registration Fees		
Program supplies	\$28.00	Squirrels Wildlife Handbook
bb		
<b>TOTALS</b>	<b>\$140.99</b>	

Program Approved By: [Signature]

Principal

Funds Payable to: 26200 West Hill Road

Address: Eustis, FL 32736

Phone: 352-589-1117 Email: fischerl@lake.k12.fl.us

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

Signed \_\_\_\_\_ Date \_\_\_\_\_

To be completed by foundation staff/board

Program meets Duke Energy Foundation's Mission/ Funding Policy \_\_\_\_\_ Y \_\_\_\_\_ N

Director Recommendation: \_\_\_\_\_

**Executive Board Recommendation:** \_\_\_\_\_