



## 2018-19 Duke Energy Foundation STEM Grant

DEADLINE October 18, 2018 4:00 pm Foundation Office via Jackrabbitt 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.

### Contact Information

Applicant Name: Amanda Dierking

Position: Drama Director

School: Minneola Charter School

Address: 320 East Pearl Street Minneola FL 34715

Phone: 3523942600

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Email Address: dierkinga@lake.k12.fl.us

### Detailed Project Information

Project Title: Technical Theatre

What priority area(s) will your project address: Math and Engineering

What is your estimated start date: October 15, 2018

Estimated number of teachers who will participate in this project: 5

Estimated Number of Total Students Impacted by project: 25

Grade Levels to be Addressed: 3, 4, 5, and 6

### Program Background:

This is the fourth year for our Theatre program at Minneola Charter School. Each year, we have produced one musical. This year, we will be producing 3 musical productions and competing at the district and state level for International Thespian competitions in December and February. Last year, we added a stage and tech crew to the theatre production aspect. This gave students who enjoy theatre a platform for designing and building sets.

### Project Summary:

This year students will participate in designing and building a set that will be universal for all three performances. It must be easily movable, durable, weight bearing, and usable for several shows.

### Need:

Our students need wood, screws, casters, paint, and tools to build the sets.

### Project Goals and Objectives:

Goals: SW be involved in the design and execution of set building for three musical productions.

Objectives: SW problem solve, measure, and build their design.

SW apply their math and science skills to a real world project.

SW develop communication skills to properly explain their thought process.

SW execute their design and build a set.

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

SW be given a survey before and after the project to evaluate their knowledge. Pre and post Survey results will be compared to evaluate an increase in technical theatre knowledge.

### Budget

Category of Expenditure	Dollar Amount	Related Activity
Computer Hardware		
Computer Software		
Other Equipment (not computers)		
Competition Registration Fees		
Program supplies	734.56	Construction materials for building: 8 sheets of plywood, 2x4x16 lumber, 3 1/8" wood screws, casters with breaks, 2 1/2" L brackets, slide latches, paint
TOTALS	734.56	

Program Approved By: \_\_\_\_\_

*Sherry Wallis*  
Principal

Funds Payable to: \_\_\_\_\_

Minneola Charter After School Theatre Club

Address: \_\_\_\_\_

320 East Pearl Street  
Minneola FL 34715

Phone: \_\_\_\_\_

352-394-2600 ext. 5087 Email: [dierkinga@lake.k12.fl.us](mailto:dierkinga@lake.k12.fl.us)

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

Signed \_\_\_\_\_

*[Signature]*

Date \_\_\_\_\_

9/15/18

To be completed by foundation staff/board

Program meets Duke Energy Foundation's Mission/ Funding Policy \_\_\_\_Y\_\_\_\_N

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

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