



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.

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| Contact Information | |
| Applicant Name: Amanda Dierking | Position: Drama Director |
| School: Minneola Charter School | |
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| 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 |

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| <p>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.</p> |
| <p>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.</p> |
| <p>Need: Our students need wood, screws, casters, paint, and tools to build the sets.</p> |
| <p>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.</p> |