



## 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: Karen Krawchuk	Position: teacher
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<b>Detailed Project Information</b>
Project Title: The Evolution of the Automobile
What priority area(s) will your project address: science, technology, engineering, math, social studies
What is your estimated start date: November 26, 2018
Estimated number of teachers who will participate in this project: 11
Estimated Number of Total Students Impacted by project: 200
Grade Levels to be Addressed: Kindergarten

**Program Background:** This unit will introduce automobiles, how they have changed and what has changed because of the automobile. The children will take a closer look at how the moving assembly line changed transportation in America, and Henry Ford's ability to create an affordable automobile came from persistence and a will to succeed.

**Project Summary:** The students will be introduced to how automobiles began. Background knowledge and research on the computer to show what cars were like 100 years ago. The students will be shown a PowerPoint to do a compare/ contrast activity to see what has and hasn't changed over a century. The students will learn about affordability, Henry Ford and the moving assembly line. The students will participate in an assembly line activity, and see how much faster we can build cars as a team, instead of each of us building our own. They will learn about how working as a team, cars were built quicker, which made them more affordable for the average person. The students will be able to see actual cars from the different decades on December 7<sup>th</sup>, as we will have cars ranging from 1914-1960 visit our school. The drivers will give the background of each cars, and answer questions from the students. After the students see the