

GRANT #28 - We Do 2.0 Steam Based Learning

I would like to introduce Lego Education at USJ and build upon the foundation they are laying in second grade at WES.

Part 1: Contact Information

School and Position:	Teacher, US Jones	Years in system:	20
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I have shared a copy of this application with my principal, and he/she approves this application. **Yes**

Have you been awarded a grant from the Foundation in the past three years? **No**

If yes, did you complete the grant evaluation form?

I agree to complete the required Grant Reporting at the conclusion of the grant year (Spring 2019.) **Yes**

Part 2: Grant Overview

Title of Requested Grant	We Do 2.0 Steam Based Learning	
Amount Requested	\$6999.90	
Proposed Start Date (Month)	August 2019	
Length of grant (one school year or are the materials reusable?)	reusable materials	
If other individuals are involved in this grant please list their names and positions.		
Who will this grant impact?	Grade Level	
	<i>(number of students)</i>	<i>(grade levels of students)</i>
	150	319

ab

7 classrooms

Provide a brief, general overview of the proposed grant (250 words or less) in the space below.

The mission of We Do 2.0 Steam Based Learning is simple. We Do will encourage students to use the standards of scientific discovery to work together to solve real STEAM problems and learn about the engineering process. Lego Education is not just the simple Lego bricks that come to mind from your childhood, but a carefully thought out curriculum that covers all subject matter. I would like to build off what WES has started in second grade and prepare students for the coding they will use in fourth and fifth grades at USJ. Use of the Lego kits will foster collaboration in problem-solving and encourage students to become active in the learning process. During instruction, the kits will allow students to problem solve hands-on tasks and real world projects. The Lego manipulatives will encourage students to delve into the scientific world by exploration, questioning, analyzing, and communicating. The learning impact of Lego Education in the classroom matches the DCS five year plan of "Increasing rigor of instruction, critical thinking, and encourage creativity. These kits will be available for check out for third grade classes.

Have you explored funds through school channels, such as the annual budget process? **Yes**
 If so, why was this grant not eligible for those funds?

none available

Part 3: Grant Details

A. Objectives and Measurements

Using the table below, outline no more than **four main objectives** of this grant, how each of these objectives will be measured, and what your expected results will be. Each objective should be Specific, Measurable, Attainable, Realistic, and Timely (SMART).

SMART Objective	How will this objective be measured?	What is the goal or expected measurement?
Students will work collaboratively in groups to solve real world problems.	This will be measured by teacher observation, group evaluations and self evaluations.	Students will learn to work together to problem solve and be productive citizens working as teams for the good of all.
Students will practice using the scientific method to solve and analyze problems.	This will be measured by teacher observation and by concept based applications requiring use of the scientific method.	Students will increase mastery of the scientific method and increase test scores based on actual use of the method.
Students will make real life connections between scientific concepts and real world applications.	This will be measured by observation and completion of the kits.(do the kits do what they are intended to do-do they function properly)	Students will make connections between real life work skills and lessons taught in class.

B. Budget

Provide a detailed budget for the grant in the table below:

Item Description	Price Each	Quantity	Total
WE Do Kit	3499.95	2	6999.90
			0.00
GRANT TOTAL			6999.90

Please provide the website link(s) to any supporting information you used in determining this budget. You may also attach a scanned copy of documents to the email if needed.

Legoeducation.com

C. Mission Relevance

Mission Statement: The Demopolis City Schools Foundation will encourage excellence, continued investment, and good stewardship of resources in support of students and all those who benefit from a successful Demopolis City School System.

Use the following table to explain how you see this grant supporting the mission of the Foundation and the goals of our donors:

<p>How does this grant encourage excellence in the classroom?</p>	<p>This grant encourages excellence and matches the DCS five year strategic plan of "increasing rigor of instruction, critical thinking, and encouraging creativity."</p>
<p>Does this grant address one of our areas of focus? Tell us a little about one of these: *This grant promotes equity in the classrooms. (For example, will all students have access to the same classroom technology no matter the teacher, etc.) *This grant supports continuity of programs in the system. (For example, does it build on a program that already exists?) *This grant demonstrates collaboration in the school (For example, does this grant show teachers in a grade level, school, or department are working together?) *This grant is something entirely new and I/we want to give it a try.</p>	<p>This grant will be available for use in all third grade classrooms to promote problem solving, creativity and collaboration. Each classroom is equipped with the technology we need to implement this grant immediately. This program also will build on one in place in second grade and prepare students for fourth and fifth grade coding.</p>

<p>How is this grant a good use of the resources of the Foundation?</p>	<p>This grant will be a terrific use of funds because it builds on the LEGO program in place in the second grade at WES and prepares students for the coding they will begin in fourth and fifth and USJ. It will inspire students to be productive citizens who are ready for collaboration and problem solving. It also emphasizes creativity and engineering skills.</p>
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