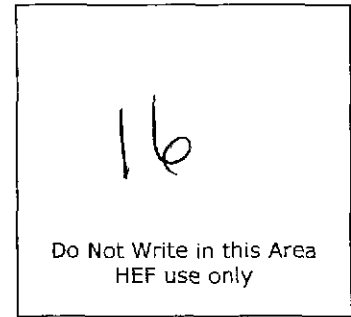




Holdenville Education Foundation  
P.O. Box 641 ♦ Holdenville OK 74848  
[info@hef4ourkids.com](mailto:info@hef4ourkids.com)



## Grants to Teachers Application Form

*Please use a typewriter or word processor to complete the application.  
Submit in the format listed below.*

Date: March 24, 2020

Grant Title: The 3Demintional Classroom

School: Thomas Intermediate Elementary School

Grade Level(s): 4th through 7<sup>th</sup>

Content Area: Math, Science, and Computer Science

Total Dollar Amount Requested: \$2,954.17

**1. What is the major educational need this grant addresses? Please give grade level and academic area.**

The STEM class that Holdenville Schools currently offers serves 4<sup>th</sup> through 7<sup>th</sup> grade students. I would like to extend the program to include 3D printers for the 2020-2021 school year. The 3D printers would be a program that teaches students how to design and bring to life their own creations. Once the students understand the 3D design software and how their printer works, the students will begin to work on projects to design solutions to everyday problems that they have been assigned. These designs will help them work as a team with problem solving. The program also gives students an opportunity to experience the interworking of 3D designs through the creation process.

3D printers require higher level thinking skills and challenges students beyond the regular classroom. The students have to work together as a team to come up with their designs and create the design in the creation software, which enhances teamwork and social skills.

**2. Approximately how many pupils will be affected by this project, both directly and indirectly?**

The program will directly affect 32 students. Eight 4<sup>th</sup> grade, eight 5<sup>th</sup> grade, eight 6<sup>th</sup> grade, and eight 7<sup>th</sup> grade students will be chosen to participate. Additional

students will be able to use the 3D printers in the STEM classes that happen during the school day. Students from 4<sup>th</sup> grade to 7<sup>th</sup> grade will have the opportunity to be exposed to the world of 3D designing. Each year a new group of students will be added to the program.

**3. Describe your grant including methods, materials and objectives. Foundation grants are intended to fund a creative teaching plan, so if equipment or materials are requested it should be clearly stated as to why these are an integral part of the plan.**

The STEM classroom is a cooperative learning environment. The students work together with guidance from the instructor. The groups will come up with designs and formulate a plan on how they will create the design. When they have completed their design we will test it and then they will move on to other design challenges that increase in difficulty.

The materials requested are three 3D printers, required design software, and six spools of 1 kg PLA filament per printer. Three 3d printer kits are needed to make more STEM activities available. The design software is needed so the students can create their own designs. The PLA filament is required for the students to be able to print their designs with the 3D printers.

**4. Give a time schedule of implementation.**

The items listed below could be ordered as soon as funds are available. If items are ordered during the spring of 2020, the technology should be ready for use by teachers at the beginning of the 2020-2021 school year.

**5. Detail your budget request. Include specific information about kinds of materials and equipment needed, sources of supply, and costs (including shipping and handling). If possible, list alternatives if full funding is not available.**

Three Original Prusa i3 MK3s 3D printer kits	\$2,247.00
Eighteen rolls 1KG PLA filament (jet black, galaxy purple, yellow, pink, royal blue, pearl mouse)	\$449.82
Shipping	\$257.35

Total	\$2,954.17
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**6. What methods will be used for measuring the stated objectives, or what definite evaluation will you make to determine whether the grant was successful? (Please be specific)**

The success of the grant will be measured on the completed design challenges. Students will display their designs and there functionalities.

You can check the list of common [customs charges on our Knowledge Base](#). Keep in mind, that charges in the table are only estimates - real charges may differ.

Choose your payment method



Credit Card



Pay with your card or your PayPal account



Invoice Payment

You'll pay for the merchandise by the wire transfer



Prusament PLA Jet Black 1kg

\$24.99

3

\$74.97

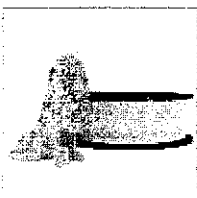


Prusament PLA Galaxy Purple 1kg

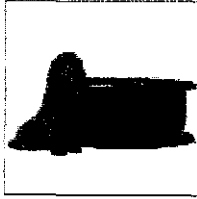

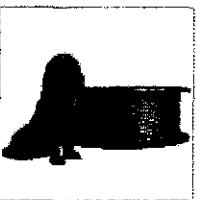
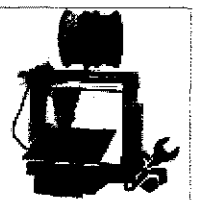
\$24.99

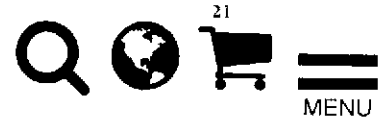
3

\$74.97



Prusament PLA Pineapple Yellow 1kg

	Prusament PLA Ms. Pink (Blend) 1kg	\$24.99	3	\$74.97
	Prusament PLA Royal Blue (Blend) 1kg	\$24.99	3	\$74.97
	Prusament PLA Pearl Mouse 1kg	\$24.99	3	\$74.97
	Original Prusa i3 MK3S kit Color : Black and orange, Spring steel sheet : Spring steel sheet with smooth double-sided PEI sheet	\$749.00	3	\$2,247.00



Total products:	\$2,696.82
Total shipping:	\$257.35
Total (VAT excl.):	\$2,954.17
Total VAT:	\$0.00
<b>TOTAL:</b>	<b>\$2,954.17</b>

**» I confirm my order «**

By confirming this order you agree to [Terms and Conditions](#) and [Privacy Policy](#).

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