



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

<p>14</p> <p>Do Not Write in this Area HEF use only</p>
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## 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: Engineering is Elementary, My Dear Watson Phase 2

School: Thomas Intermediate Elementary School

Grade Level(s): 3<sup>rd</sup> through 7<sup>th</sup>

Content Area: Math, Science, and Computer Science

Total Dollar Amount Requested: \$3,267.56

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

The robotics program that Holdenville Schools currently offers serves sixty 3<sup>rd</sup> through 7<sup>th</sup> grade students. I would like to extend the program to more students next year. Robotics is a program that teaches students how to engineer a robot. Once the robot is built, the students then learn how to code the robot using mathematical equations. These codes instruct the robot to perform certain tasks. The program also gives students an opportunity to experience the interworkings of computer programming through the coding process.

Robotics requires higher level thinking skills and challenges students beyond the regular classroom. The students have to work together as a team to build a robot and create codes, 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 60 students. Twelve 3<sup>rd</sup> grade, twelve 4<sup>th</sup> grade, twelve 5<sup>th</sup> grade, twelve 6<sup>th</sup> grade, and twelve 7<sup>th</sup> grade students will be chosen to participate. The additional robots will be used to extend the program to students that have not had the opportunity to participate in the program that is offered after school. These robots will be used during the school day with other S.T.E.M. activities.

Students from 4<sup>th</sup> grade to 6<sup>th</sup> grade will have the opportunity to be exposed to the world of coding. 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 robotics classroom is a cooperative learning environment. The students work together with guidance from the instructor. The four teams will watch a video of the challenge and formulate a plan on how to code the robot to complete the challenge. When they have completed each challenge they will move on to other challenges that increase in difficulty. Across the state of Oklahoma students have the opportunity to participate in Junior Botball competitions. There are various challenges to earn awards and trophies.

The materials requested are four additional robot kits, and the registrations fee for team competitions. Four robot kits are needed to extend the program to future students. Registration fees are needed so students will have access to the Junior Botball curriculum and competitions.

- 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.**

Five 2020-2021 Junior Botball Registrations	\$375.00
Four Junior Botball Challenge Robotic Kits	\$2,875.00
Shipping	\$17.56
Total	\$3,267.56

- 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 robotic challenges. Students will attend Junior Botball competitions and they will be completing challenges to receive awards and trophies.



Danny Sipes <dsipes@holdenville.k12.ok.us>

**Invoice #D196**

1 message

KISS Institute for Practical Robotics <store@kipr.org>  
To: dsipes@holdenville.k12.ok.us

Tue, Mar 31, 2020 at 1:49 PM

# KISS Institute for Practical Robotics

INVOICE  
#D196

## Complete your purchase

Just JBC kits

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### Order summary



JBC Kit + 1yr Curriculum & Challenge Access × 5 **\$2,875.00**



Junior Botball Challenge - First Time Curriculum Access × 5 **\$375.00**

Subtotal **\$3,250.00**

Shipping **\$17.56**

Taxes **\$0.00**

Total

**\$3,267.56 USD**

Customer information

Shipping address

Danny Sipes  
Thomas IES  
210 Grimes Avenue  
Holdenville OK 74848  
United States

Billing address

Danny Sipes  
Thomas IES  
210 Grimes Avenue  
Holdenville OK 74848  
United States

Shipping method

UPS® Ground  
\$17.56

If you have any questions, reply to this email or contact us at [store@kipr.org](mailto:store@kipr.org)