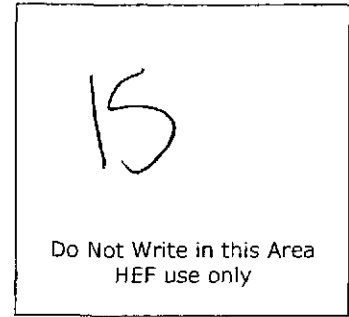**HEF** Holdenville Education Foundation
P.O. Box 641 ◇ Holdenville OK 74848
info@hef4ourkids.com

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: To Infinity and Beyond

School: Thomas Intermediate Elementary School

Grade Level(s): 3rd through 7th

Content Area: Math, Science, and Computer Science

Total Dollar Amount Requested: $2,900.00 ~~$1450~~

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 3rd through 7th grade students. I would like to extend the program to include drone for the 2020-2021 school year. The drones is a program that teaches students how to engineer and code a drone for flight. Once the drone is built, the students then learn how to code the drone using mathematical equations. These codes instruct the drone to perform certain tasks. The program also gives students an opportunity to experience the interworking's of computer programming through the coding process.

   Drones requires higher level thinking skills and challenges students beyond the regular classroom. The students have to work together as a team to build the drones 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 32 students. Eight 4th grade, eight 5th grade, eight 6th grade, and eight 7th grade students will be chosen to participate. Additional students will be able to use the drones in the STEM classes that happen during the school day. Students from 4th grade to 7th 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 two teams will watch a video of the challenge and formulate a plan on how to code the drone 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 two drone kits, and Registration fees. Two drone kits are needed to extend the Robotics program. 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.
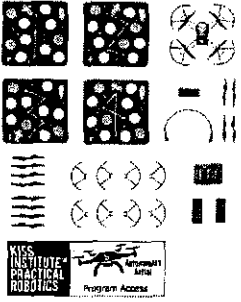
5. **Detail your budget request. Include specific information about kinds of materials and equipment needed, sources of supply, and costs (including shipping and handling). If possible, list alternatives if full funding is not available.**

Two Drone Classroom Sets(total of 10 drones) $2,900.00

Total $2,900.00

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

Product		Price	Quantity	Total
	Classroom Set - Aerial Botball Challenge	$1,450.00	2	$2,900.00
	Remove			

Special instructions for seller

Subtotal $2,900.00

Shipping & taxes calculated at checkout

C	CONTINUE SHOPPING

CHECK OUT

Shipping & taxes calculated at checkout

CONTINUE SHOPPING	UPDATE CART	CHECK OUT

Pay DISCOVER mastercard VISA