SAMPLE Classroom Grant Request

Grant Title: Robotics Schoolwide **Subject:** STEM **Grade:** PreK-8 **Number of Students Impacted:** 325

GOAL(S) of the project are stated.
Project Purpose:
a) What is the overall purpose of your project and what need(s) does it address?
b) ***What learning goal or academic outcome does your project address?***
My school has a new STREAM/Robotics program that is being integrated this year and includes all students from Pre-K-8th grade. There is a need for more robotics equipment so that all students have engaging and enriching experiences learning to code. The purpose of my project is for all students to gain access to robots and learn to code. After the students learn the basic coding functions, they will be ready to complete cross-curricular assignments and activities focused on multiple subjects and topics.

WHAT WILL BE DONE WITH STUDENTS?
Project Description:
a) Describe your project and its activities.
b) How will this project meet the needs of your students, classroom, and/or school?
Students will use robots throughout the entire year to learn coding and engage in innovation. Robotics is an extension of the classroom curriculum, so the robotics teacher will plan creative lessons together with each classroom teacher. Students are assigned different robots that are developmentally appropriate for their grades. PreK-K early learners will use the Lydaz number bots to help to learn and review numbers while getting acquainted with robots. The Ozobot Evo kits and Ozobot Color Coding markers are for the K-2 grade classes to start to learn the ideas of coding and robotics. The DASH Robots and Competition Mat are used in 3rd-5th grade classes. They will continue their learning of coding, building and robotics competition. The 6th-8th graders will use a combination of Ozobots and DASH robots throughout the year. All these robots will be permanently integrated into the school and STEM curriculum, so students will begin to use more advanced robots as they progress through each grade level.

BENEFITS TO THE STUDENTS
Expected Outcomes:
a) What will improve/change for your students because of your project?
b) How will you measure these outcomes?
All 325 students and all teachers will benefit from an enhanced STEM robotics program if my project is funded. These resources are award-winning and highly effective. Students will learn how to code, practice coding lessons, expand their innovation through coding, and even prepare for the annual districtwide middle school robotics competition. Coding ability, creativity, and innovation will be assessed through lesson assignments. For example, students may be creating a story for their robots to play out, using their robots in science to tell their class about the sun, earth, and moon rotations, or learning shapes and using their robots to create the shape of the week. These are just a few of the robotics projects.

BUDGET
Purpose of Funding: Specifically explain how these grant funds will be used and align this response with your submitted items to be purchased.
The total amount requested is $1,993.91. The requested items are appropriate for the grade levels assigned. The cost associated with Ozobot is $1,448.00. The cost associated with DASH is $485.94. The cost for the Lydaz number bots is $59.97.

What items will be purchased?
Item 1: 2 Dash Robots @ $179 ($358)
Item 2: 3 Lydaz Number Bots @ $19.99 ($59.97)
Item 3: 6 Ozobot Color Coding Markers @ $8 ($48)
Item 4: 8 Ozobot Evo Kit @ $175 ($1,400)
Item 5: Wonder League Robotics Competition Grid Mat ($127.94)