

Grant Number 1177

Project Title Wonder Workshop

Please select the **MAIN** curriculum area your grant addresses. Gifted & Talented

Does your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)

No
 Yes

Primary Contact Information

First Name Karen

Email karen.abney@allenisd.org

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Last Name Abney

Phone Number 972-951-3653

Campus Preston Elementary

Main Subject Other

Grade(s) Please select all applicable.

I have co-applicants.

Social Media

Please provide your work-related social media contact information.

Facebook

Twitter @abneypreston

Other (please specify)

Grant Number 1177

Campus/Student Information

Your campus: Preston Elementary

Will other campus' be involved/impacted by this grant?

No
 Yes

Your grade(s):

Will other grades be involved/impacted?

No
 Yes

Project Purpose

What is the problem, need or opportunity that this grant will address? Describe the impact of this project on your students. (500 words or less.)

AIM students are consistently pushing the boundaries on what they can achieve and how far their learning can take them. The Wonder Workshop is designed to allow our highest achieving students the opportunity to utilize coding and computer skills to program Dash robots to perform a wide variety of tasks to take their learning to the next level in a 21st century manner. At this time Preston does not yet have the resources that many of the Allen elementary campuses have because we are still in the phase of building our resource base. The Dash robots will allow students to integrate math and technology skills with the humanities curriculum to create interdisciplinary units that will lay the foundation for the STEM challenges that will be facing them in both their academic classes and future careers.

Project Description

How will the project or program be implemented? Describe activities and tasks.
Who is the target population and in what ways will they benefit? (500 words or less.)

The AIM program at Preston currently has approximately 75 students. Our students are constantly exploring and investigating a wide variety of topics where STEM and Humanities blend. This project would allow that to happen in a seamless manner. While not exhaustive, some examples of how it would be implemented are as follows: In 1st and 2nd grade, the Dash robots will be used to help build the "Great Wall of China". In 3rd grade they will be used to simulate Alexander the Great's take over of the Grecian Empire. In 4th grade the Texas Performance Standards Project is open ended and often calls on STEM activities to be included. In 5th grade the robots will be used to create tools that will help in our aquatic ecosystem study. In 6th grade the tie in would be in the factory/assembly line model of mass production.

Project Summary

Provide a brief summary for use on the Foundation's website and social media. (2-3 brief sentences)

The Wonder Workshop will allow our students to utilize coding, math, and robotics to enhance our current curriculum and bring STEM learning into every aspect of the curriculum. It will lay the foundation of robotics (our future) into a natural expression of learning and investigating.

Allen ISD Goals/ TEKS

Which Allen ISD goals/TEKS does this project support? Provide only two or three examples.

The Allen graduate profile involves every student in Allen ISD to graduate being an effective problem solver, academically prepared for future pursuits, and effective communicators. This project supports each of these goals and will allow students to solve problems on a consistent basis, be prepared for technology challenges of today and tomorrow, and communicate their learning in an authentic manner.

Measurement

What specific measurements will be used to evaluate the effectiveness of the project? (500 words or less)

At the present time, all teachers are involved in writing student learning objectives (SLO's) that measure student learning throughout the year. For this project a rubric would be created that would measure specific goals that would be appropriate for each grade level and progress would be tracked throughout the year to determine if those goals were being met.

Teaching Methods

What teaching methods will be used to implement this project? (500 words or less.)

This is a hands-on project in all aspects. Coding skills would be taught as the foundation which would naturally flow into the individual grade level projects. While students will be given instruction on the content of each lesson, the direction they take the learning will vary from group to group and grade level to grade level.

Timeline

What is the project timeline and the date of implementation?

The Wonder Workshop will be implemented as soon as the money becomes available for the project and will be ongoing throughout the entire school year as well as the years that follow.

Curriculum/System Support

Explain how this idea or project enhances/supports Allen ISD curriculum or existing systems.

There is an excitement in Allen ISD about the new STEAM center. The kids who have been able to visit at this point come back so excited about the opportunities they are given in that setting. A project like this will build on that excitement and keep it alive on our campus in a hands on way that is accessible to them on a weekly basis.

Budget Details ** All awarded funds will be available by September of the next school year.

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
Wonder Workshp Dash 6 Pack	Instructional Supplies or Resources	875.0	1	875.0

BUDGET TOTAL 875

Are there any additional funds available for this grant? Campus or District Funds? PTA funds? Let us know if you have or will be seeking funds from other sources to help with this project.

Additional funds? No
 Yes

Principal Approval Required

Please provide the Name and Email of your PRINCIPAL. (Not your name)

First Name	Last Name	Email Address(Completed)
Johnna	Walker	Johnna.Walker@allenisd.org

Applicant Signature

By entering my name below I signify that I understand that if I move within the District and have written the grant myself, I may take the grant with me to my school (as long as it is appropriate for my classes). If I have written the grant as part of a team, I will leave the grant behind with the team. If I leave AISD, I will leave the grant with the school for which I wrote the grant. As a condition of this grant, I will complete an evaluation form provided by the Foundation.

Signature Karen Abney

Date 01/29/2019

I certify that this would be a good use of funds for our school and this grant supports the district goals and/or our campus improvement plans. **Do NOT include any identifiers, such as: campus name, your name, teachers name or mascot **

No actions possible.

Comments

Approved

State Change History

State Change karen.abney@allenisd.org
01/29/2019 13:37:56
Submitted

State Change *****
01/30/2019 14:37:22
Accepted

Grant Status

Grant Awarded Yes
 No

Award Amount 875