

Grant Number 1171

Project Title Sprouting Stars Hydroponic Garden

Please select the **MAIN** curriculum area your grant addresses. ScienceDoes your grant have a technology component? (Will you have technology equipment, software, etc. in your budget?)  
 No  
 Yes

### Primary Contact Information

First Name Rebecca

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Confirm Email rebecca.beaneperdue@allenisd.org

Last Name Beane Perdue

Phone Number 469-910-9660

Campus Anderson Elementary

Main Subject Science - Elementary

Grade(s) Please select all applicable.

I have co-applicants. 

### Social Media

Please provide your work-related social media contact information.

Facebook

Twitter @SproutingStars

Other (please specify)

Grant Number 1171

### Campus/Student Information

Your campus: Anderson 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.)

The expansion of the Sprouting Stars Garden to the indoors with a hydroponics garden will allow gardening to be used as a year round teaching tool with the benefit of the weather not being an obstacle. The students will be able to enjoy the educational benefits of having two different gardening techniques (soil outdoor and nutrient rich water indoor) and will be able to compare the growth and production of the gardens. The students will also be able to participate in Fresh Farm Fridays (sample recipes that include garden produce) more frequently.

### 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 project will be implemented by the garden coordinator and teachers and will target every student at Anderson Elementary. Students will be able to participate with the expansion of the Sprouting Stars Garden throughout the school year. Anderson teachers can use ModernSteady.com for a free curriculum about hydroponic gardening, geared to all grade levels in elementary school. The STEAM opportunities with hydroponic gardening are limitless; checking pH levels of the water, charting growth, and creating edible art are a few examples of possible student activities. A hydroponic garden will align with Allen ISD's priority with advance STEAM learning opportunities.

### Project Summary

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

Anderson All-Stars will extend their Sprouting Stars Garden indoors with hydroponic gardening to capture the benefit of using a garden as a learning tool throughout the school year.

### Allen ISD Goals/ TEKS

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

Specifically, the K-5.9 and 6.12 Organisms and environments statements beginning with students understanding the basic needs of plants and developing into students know that there are relationships, systems, and cycles within environments that allow them to interact with the living and nonliving parts of their ecosystem.

### Measurement

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

The measurements that will be used to evaluate the effectiveness of the project will be determined by the amount of time spent by students participating, monitoring, and evaluating the hydroponic system. A simple survey will also be offered to students to evaluate their enthusiasm and interest.

### Teaching Methods

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

Teachers would have access to the plants in the hydroponic garden year round, to incorporate hands-on experiences and real world connections to their lessons. We will be using the garden for discovery-based activities and math/science exploration using processing skills. There will also be the incorporation of healthy lifestyle choices through discussion during applicable lessons.

### Timeline

What is the project timeline and the date of implementation?

The project will begin as soon as the required items are purchased. This project will be able to be used year round for many years.

### Curriculum/System Support

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

This project enhances the hands on learning techniques that Allen ISD has made a priority. The building of the STEAM Center designates Allen ISD as a pioneer in the north Texas area. Anderson having their own hydroponic garden will contribute to the students' interest in participating in STEAM activities.

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

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
Hydroponic Grow Wall - 75 grow sites	Instructional Supplies or Resources	776.98	1	776.98

Budget Item	Item Type	Unit Cost	Quantity	Total Cost
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BUDGET TOTAL 776.98

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

Please Explain

PTA funds will be used to pay for additional needed items as required; seeds, nutrients, and pH adjusters.

Principal Approval Required

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

First Name	Last Name	Email Address <small>(Completed)</small>
Alana	Chisum	alana.chisum@allensd.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 Rebecca Beane Perdue

Date 01/31/2019

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

This grant it is aligned to goals and objectives in the campus improvement plan.

State Change History

State Change rebecca.beaneperdue@allensd.org  
01/31/2019 14:46:53  
Submitted

State Change \*\*\*\*\*  
01/31/2019 15:17:55  
Accepted

Grant Status

Grant Awarded  Yes  
 No

Award Amount 777