



**WACO ISD EDUCATION FOUNDATION
COVER SHEET – PART II
Application for Grant:
2025-2026 Funding Cycle**

Assigned Grant Proposal #: _____

Project Title: _____

Grade Level(s): _____ **# of Students DIRECTLY involved:** _____

Subject Area(s): _____

Amount Requested: \$ _____

Grant Focus Area(s): In order to be considered, Waco Education Foundation Innovation Grant proposals must fall under one or more of the E4 focus areas: early childhood development, enhanced programming for advanced students, extended education for staff, and emphasis on student performance. NOTE: In addition to meeting one of the E4 focus areas above, grant readers are especially interested in creative and innovative grant requests that target fine arts, STEM, literacy, or enrichment.

(check all that apply)

Early Childhood Development

Enhanced Programming for Advanced Students

Fine Arts

Literacy

Extended Education for Staff

Emphasis on Student Performance

STEM

Enrichment

Assignment Proposal #2

Project Title: Digital Blood Pressure Package

Project Description:

This proposal aims to provide my 9th grade Health Science students with a digital blood pressure package to enhance their learning experience and prepare them for modern healthcare practices. While students will continue to learn how to manually measure blood pressure, the digital component of the program will familiarize them with the technology they will encounter in the medical setting. This dual approach will not only reinforce foundational skills but also ensure students are proficient in using digital devices, which are becoming standard in the healthcare environment.

The funds requested will be used to purchase a digital blood pressure machine along with accompanying educational materials and training resources. By integrating this technology into the curriculum, I aim to give our students a competitive advantage, ensuring they are well-equipped with the practical skills and knowledge that will serve them in their future medical careers.

Rationale:

This project directly supports the Waco Education Foundation's focus on creative classroom projects and rewards for results by providing an innovative hands on learning experience in blood pressure and pulse rate. This digital blood pressure kit will provide a real life learning tool that will enhance classroom learning experience

This project also aligns with the District and Campus Improvement Plan by increasing job readiness and workforce development. These skills are important for their success beyond high school.

Currently, my students learn how to take vital signs manually. These include temperature, pulse, respirations and blood pressure. However, in the medical setting, digital technology (digital blood pressure machines) are being used.

Integrating this skill will also increase student engagement resulting in increased student outcomes as well as increase interest in my class resulting in growing our academy.

This skill currently goes with the TEK 127.403(c)(2) by allowing them to interpret technical material relatable to the health science industry.

Goals:

The primary goal of this project is to allow my students the knowledge to interpret technical material related to the health science industry. The real life hands on learning experience of taking vital signs specifically blood pressure. The funds requested will be used to purchase a digital blood pressure monitor along with accompanying educational materials and training resources.

1. Educational Tool: This digital blood pressure package will reiterate the dangers and effects of hypertension on the body by providing models of the brain, eye, heart, kidney and artery.
2. Promote Student Engagement and Career Readiness- Provide hands on learning will increase student engagement while preparing students for a future career in the medical field.
3. Public Engagement- Many people with hypertension are unaware they have it. I would like to offer blood pressure checks at our gallery walks that we do for the middle nights. Having this digital blood pressure would provide the opportunity to do this and increase the interest in our academy as well as offer this as a screening tool for hypertension amongst our students/parents and or teachers.

Strategies-

- Integration with Curriculum- This project will be incorporated with the current Principles of Health Science class by adding this skill to the current vital signs lesson.
- Student Leadership & Responsibility- Students will be the ones to take vital signs at the gallery walks using this machine. They will also be responsible for maintaining and cleaning the machine by properly storing it.
- Community & School Engagement- Teachers will be encouraged to attend the gallery walks in an effort to educate them about the dangers of hypertension.
- Parental & Community Engagement- Parents will be encouraged to attend the gallery walks in an effort to educate them about the dangers of hypertension.

School Community Partners-

- Local businesses- Partner with local medical facilities to help provide a health fair where we can offer free screenings.
- School administration & athletic departments- Offer blood pressure screenings for our athletes.
- Skills USA & Career & Technical Education (CTE)- Participate in this competition by aligning education with competition goals and standards.

Timeline & Calendar

August-September-	Introduce the project and discuss goals. Cover the vital signs unit and learn the skills of taking temperature, pulse, respirations and blood pressure. Discuss the importance of each vital sign and effects of hypertension.
October-November-	Introduce the digital blood pressure machine and educate them on how It is used, stored and maintained. We will begin planning gallery walks at the middle schools.
December-January-	Document how many people were screened and how many were found to be over the 140/90 range potentially having hypertension.
February-March-	Participate in Skills USA competition.
April-May-	Evaluate the project. Successes and failures or problems. Discuss changes needed and what improvements can be made for growth.

Communication & Dissemination:

To ensure transparency and recognition of the Waco Education Foundation's support, we will include the Foundation through the following ways:

Foundation Involvement & Recognition

- Invitation to Observe- The Foundation will be invited to visit our classroom so that my students can take their blood pressure and educate them on the dangers of hypertension.
- Photo & Media Opportunities- I will provide the Foundation with updates regularly including photos and videos of students participating in the gallery walks and hands on classroom learning experiences.
- Presentation to Foundation Meeting- I would be available to present this project to the Waco Foundation members to show the success of this project.

Dissemination Within the District & Community

- School & Community Newsletters- Regular updates will be included in the district and school newsletters. This includes coming events and the impact this has on the community.
- Student Led-Presentations- Students will have the opportunity to share their experiences with this hands on learning tool at school events and district meetings.
- Staff development & District Collaboration- I will share the impact this project has had on hands on learning in my classroom with my CTE department.
- WISD-TV & Social Media- I will work with WISD-TV & social media department to share my students hands on learning experiences and the impact it has had on hypertension awareness.

Through these efforts I will make sure to share the impact this grant has had on my students, teachers, parents and hopefully the community. All possible because of the generosity of the Waco Education Foundation and their support of Waco ISD students.

Evaluation:

The success of this project will be measured by the number of people we screen verses the number of people who show signs of hypertension with blood pressures above the 140/90 range.

The use of digital technology will introduce students to cutting edge tools in healthcare sparking curiosity and new ways to approach healthcare tasks.

Long Term Implications:

The digital blood pressure package does not require a lot to maintain. The battery is rechargeable so it will be functioning for a long time to come. This project will benefit students, teachers and parents beyond the 2025-2026 school year. This long term impact will include critical thinking, creativity, innovation and collaboration that will benefit my students in the future. By integrating both manual and digital blood pressure measurement techniques students will be encouraged to think critically about the advantages and limitations of each method, making decisions about when to use one technique over the other based on patient needs and clinical circumstances. This process enhances their problem solving abilities, a key component in critical thinking.

Key Personnel:

The key personnel to carry out this project would be the Principles of Healthcare Science teacher and or Skills USA Campus Coordinator.

Budget & Budget Narrative/Justification

(Website Quote)

The digital blood pressure package (sku# 02-20-94) is very important for my project. The price of the digital blood pressure package from pocketnurse is #1138.99 per the quote. This includes a shipping cost of \$125.99.

The package includes the following:

- Latex free
- Mercury free
- ADC E-sphyg 2 digital sphygmomanometer
- Mobile BP stand
- Understanding Hypertension poster
- Multi-function alpha numeric LCD displays air pressure, deflation rate, systolic/diastolic pressure and pulse
- Automatic inflation

- Includes NICAD rechargeable battery and AC adapter
- Three cuffs: small adult, adult, large adult
- Hypertension model includes:
 - Miniature brain
 - Eye
 - Heart
 - Kidney
 - Artery
 - Education card with hypertension disease
- 2-Year aneroid warranty

Waco Education Foundation				Assigned Proposal #	2	
Grant Budget Form				Project Title:	Digital Blood Pressure Package	
				Number of Students Served by Grant:		150
Qty	Budget Item	Verify Vendor (Y or N)	\$ Requested from the WISD Foundation	Other Secured Source	\$ from Other Source (if applicable)	Total Amount
Consumable Supplies						
1	Shipping charges	Y	\$125.99			\$125.99
total Consumable Supplies			\$ 125.99			\$125.99
Technology						
N/A	N/A					
total Technology						
Long-Term Supplies / Equipment (items that will last beyond the grant year)						
1	Digital Blood Pressure Package		\$1,013.00			\$1,013.00
total Long-Term Supplies			\$1,013.00			\$1,013.00
Contracted Services						
N/A	N/A					
total Contracted Services						
Personnel						

N/A	N/A					
total Personnel						
Travel / Other						
N/A	N/A					
total Other						
Totals		Total Requested from the WISD Foundation	Foundation Cost Per Student	Total from Other Sources	Total Cost of Project	
		\$1,138.99	7.593266666		\$1,138.00	