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HEF use only

Grants to Teachers Application Form

Please use a typewriter or word processor to complete the application.
Submit in the format listed below.

Lori Smith

Date: March 29, 2019

Grant Title: No More Overhead Projectors!

School: Thomas Intermediate Elementary School

Grade Level(s): 7th

Content Area: Math

Total Dollar Amount Requested: $745.00

1. **What is the major educational need this grant addresses? Please give grade level and academic area.**

I come from a generation that is technologically advanced. When I began teaching, the only equipment that was available for me to use for projection was an old-fashioned overhead projector. A projector was beneficial because it enabled my students to follow along with me as I went through examples. However, I always dreaded lugging the heavy, bulky, inefficient equipment out to the center of the room to project an image on the screen.

What I can presently project for my students is extremely limited with an overhead projector. It only reads transparent documents. Transparencies must be prepared by copying a page at a time from whatever textbook I would like to project. This can be a time consuming activity. Also, once a transparency is used, it must be cleaned off. There are many times I find myself wishing I could project an image from a book but don't have time to go to the copier for a transparency. Many teachable moments slip by. Also, transparencies can only be made in black and white on our copiers.

The Smart Document Camera 550 captures 3D objects and images on flat surfaces, so large groups of people can clearly see each example. This document camera brings hands-on excitement to lessons. I will be able to show live images and videos of everyday objects and students' work from anywhere in the classroom. It's a whole new way to bring abstract concepts to life. I will use this camera to project documents,

various materials and manipulatives to help me add spontaneity and interactivity to my classroom, keeping students interested in learning. I can use it during a lesson to show real-time, color images to my entire class on my SMART board. I will be able to capture color images or video and instantly transform them into digital content for my lessons.

2. Approximately how many pupils will be affected by this project, both directly and indirectly?

The potential number of students who will be affected by this technology is unlimited. This document camera will allow all students access to technology-enhanced lessons for many years in all areas, including, but not limited to science, math, reading, language, handwriting, art, music, video presentations, spelling, morning meeting, and social studies. For example, 75 students using the document camera in one particular day exposes them to innovative new technology for every content area, not just one subject. In addition, the document camera could be available for use in many programs our school has, including assemblies, special visitors, open house, parent meetings, etc.

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 Smart Document Camera 550 captures 3D objects and images on flat surfaces, so large groups of people can clearly see each example or activity. I can use it quickly to direct learning by zooming in on the smallest detail or automatically focus images and adjust the brightness for varying light levels. The software (included) has many creative features to help me easily turn captured images into interactive materials for lessons. I can operate the camera using control buttons built into the software.

Keeping the attention of my students is extremely important to me. If I lose their interest, I have to reteach. This technology is exciting for all students, but will be especially useful for students that are visual and tactile learners. The projected image on the interactive white board screen captures students' attention and keeps the focus on the lesson content.

Objectives: The learner will be provided:
1. Technology related skills and instruction.
2. Opportunities for student-centered learning.
3. Competitive edge for future endeavors.

4. Give a time schedule of implementation.

The SMART Document Camera 550 can be ordered as soon as funds are available. If it is ordered during the spring of 2019, the document camera will be ready for use at the beginning of the 2019-2020 school year. It will be used daily in my classroom for years for come. It will also be used for special programs by other faculty members upon request.

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.

Available from Video Reality, P.O. Box 721730 Oklahoma City, OK 73172

<u>Budget Request:</u>

SMART Document Camera 550	$699.00
Shipping	$ 46.00
Total	$745.00

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)

Student performance and class discussion will be used to evaluate understanding of each lesson that includes the use of the new technology. I will use a variety of assessments to check progress weekly, including, but not limited to, oral response, anecdotal notes, student interview, journal response and written exam.

To develop community ownership, commitment and pride in Holdenville Schools, I will be willing to host an event at Thomas Intermediate elementary school where students, parent and community members can see how the document camera stimulates student learning and expands our existing curriculum.