

"Capturing" Student Research

Collaborative Classroom Grant Application

Billings West High Library

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Application Form

Report Fields

Project Name*

Name of Project

"Capturing" Student Research

Amount Requested

Amount Requested

\$3,500.00

Grade Level

Program Area of Request

High School (9-12)

Primary Subject Area

Please choose the primary subject area.

Other

School

Please select your school.

West High School

Applicants*

Please list the educators collaborating on this grant.

Brittany Alberson
Rachel Schillreff

Number of Students Served

Please enter the number of students that will be served by this grant.

1800

Project Cost

What is the total cost of your project?

3500

Statement of Need

Please describe the need for this project. For example, how will this project impact student learning?

With the introduction of more rigorous standards, more and more teachers are assigning research projects to students at every level and in every subject. While some still prefer the traditional approach of assigning research papers, increasing numbers of educators are embracing and assigning multimedia research projects. In these projects, students present their findings through audiovisual presentations. They submit original mini-documentaries to national competitions, like the C-Span StudentCam Contest. They record video and audio logs during long-term projects. They're being asked to compile and justify soundtracks for Shakespeare plays. Truly, the integration of technology is changing the very face of school research.

Mobile computer labs have helped make this transition possible in our schools, but certain types of equipment are still too rare and cost-prohibitive to purchase through our yearly budgets. This sophisticated equipment, however, really allows students to delve deeply into multimedia. We need to acquire and make available a fleet of high-quality cameras for student use in school projects and the one place where we can touch every single student in school is in the library. By allowing students to check out camera and recording equipment, we can enhance their learning and enrich their research experiences as we never have before!

At present, the lack of such equipment is a minor inconvenience for our more affluent students and a very significant challenge to our less affluent students. We have no technology in circulation at the West High library at this time. If we expect students to bring their own devices for use on school projects, we are disenfranchising a wide swath of our students. There is still an extreme technology gap across the socioeconomic spectrum. Students from poorer households do not have the means to purchase high-end technology, if any at all! By providing all West High students access to our camera fleet, we can address their need for equitable access to the technology they require to succeed on class projects.

Primary Goal

Please describe the primary goal of the project and how it blends with School District 2 goals and curriculum.

The school district's curriculum requires that, in our high schools, students complete research projects at every level and in almost every subject now. Our collective goal is to educate our students in research methodology so that they will be well-prepared to succeed in college classes and to live thoughtful and informed lives as adults in society. Increasingly, we are recognizing that most self-directed research our students will embark upon in their lives will not end in a paper but rather in some form of multimedia presentation. We are well-positioned already to offer them access to reliable resources and to educate them in sound research methodology. However, where we are sorely lacking is in providing them access to the necessary technology to pull all their research together. Our goal is to acquire a small fleet of different cameras that students will check out and use for school projects.

Project Description

Briefly identify the major activities and materials involved in your project.

This will be an ongoing project for the West High Library. These cameras will be used by students in classes all throughout the school. It became particularly apparent how useful they would have been this past year when Eileen Sheehy's Government classes participated in the C-Span StudentCam Contest. Should Eileen decide to assign that project again, our cameras will provide her students with invaluable presentation tools. Also, this past year, Chemistry teacher Kari Field had her classes participate in the city-wide Science Fair. Many of her students' projects would have benefitted tremendously from access to reliable recording equipment. There is an ongoing and growing need for access to these cameras at West High.

Other school libraries have successfully integrated technology into their collections. At Senior High, a fleet of Flip cameras and Bloggie cameras have seen steady circulation since they were introduced to the student body. In fact, many teachers actually send their students to the library specifically to check out cameras for projects now. Skyview has iPods with audio books available for check out as well. In each of these instances, students have treated the technology with respect and care and few if any problems with damage or misuse have occurred. Students clearly appreciate the access provided by their libraries to this technology and they use it appropriately and to great effect.

We will purchase a variety of different camera types: GoPros, Canon Powershots, Sony Bloggies, and Kodak PlaySports. This will allow students to select the camera best suited to their needs. We will purchase some accessories for each camera: tripods, protective cases, screen protectors, and memory cards. Finally, we plan to invest in a locking technology cabinet to keep this sizeable investment safe when cameras are not in circulation. We have consulted both students and staff and these equipment choices, we are confident, will allow us to meet a variety of needs across a wide spectrum of subjects and projects.

Additionally, we have communicated with the Billings Public Library and have selected equipment that students can use in conjunction with the Makerspace that is being installed at the BPL. A Makerspace is a technology lab that incorporates state-of-the-art sound-editing, video-editing, and recording equipment for public use, especially by students. By aligning our equipment with the Makerspace equipment, we are forging an even stronger link with the public library, thus providing one more connection between our students' school library experience and their public library experience. Since one aspect of our jobs as school librarians is to educate our students to become lifelong library users, this connection is priceless.

Professional Development

If your project includes professional development how will it improve student performance?

Upon acquiring this new fleet of cameras, we plan to offer professional development opportunities to West High staff through the West High Technology Committee's professional development initiative. We will instruct staff on the proper use and care of the cameras. We will also introduce them to the complement of services and features each model offers so they can make recommendations to their students when assigning projects. Finally, we will invite staff to experiment with the cameras, to check them out and take them home and to explore how they can be used in different environments and for different purposes.

Students listen to their teachers. If teachers advocate for certain programs, events, materials, or initiatives, students are more likely to embrace and explore them. At West High, this is especially the case.

Project Timeline

When will you implement your project?

We plan to purchase our new camera equipment as soon as we receive the funding and have it available for staff and student checkout a month after that. This service will be ongoing and we plan to update our equipment every few years as we are able in order to keep pace with constantly evolving technology.

Plan for Evaluation

How will you evaluate student outcomes for your project?

Each year, the West High Library sends out a survey to faculty and staff to address their needs and concerns and to determine how we, as their librarians, can best serve them and their students. We will include a section related to use of library technology in class projects next year. This will give us an idea of who is using the technology and how successful the incorporation of the library camera equipment has been

in their class projects. Additionally, we will follow up with individual students to see if they would be willing to share not only their experiences using the library cameras but also their finished products with us. Finally, once the school has grown accustomed to checking out and using the library cameras, we may institute a yearly student short film competition in conjunction with the Billings Public Library whereby students can check out a camera at the West High Library, film their movies, and then use the BPL Makerspace to edit their films.

Project Budget

Please explain how the funds from this grant will be spent to support your project goal. You can either type or upload a project budget to show how funds will be used. Please identify other funding sources if applicable.

Grant for Cameras Spreadsheet.xlsx

Please see our attached line-item budget spreadsheet for information regarding our project budget.
Thanks!

Supervisor Approval*

I have received approval from my supervisor to apply for this grant.

yes

Attachment 1

Please attach any photos, pages from catalogs, or other documents below. This is completely optional.

Attachment 2

Attachment 3

File Attachment Summary

Applicant File Uploads

- Grant for Cameras Spreadsheet.xlsx

ITEM	PRICE	URL Link	Comes With:
GoPro HERO3+: Silver Edition	\$299.99	http://www.amazon.com/GoPro-CHDX-302-HERO3-Black-Edition/dp/B00F3F0GLU/ref=sr_1_1?s=photo&ie=UTF8&qid=1392747946&sr=1-1	131'/40m Waterproof Housing; Higher Capacity Li-ion Battery; Quick Release Buckle; Vertical Quick Release Buckle; 1 Curved + 1 Flat Adhesive Mount; 3-Way Pivot Arm; USB Charging Cable
GoPro HERO3+: Silver Edition	\$299.99		
GoPro HERO3+: Silver Edition	\$299.99		
SanDisk Ultra 64 GB microSDXC Class 10 UHS-1 Memory Card 30MB/s with Adapter SDSDQU-064G AAFP-A	\$46.41	http://www.amazon.com/SanDisk-microSDXC-Memory-Adapter-SDSDQU-064G-AAFP-A/dp/B009QZH6JS/ref=pd_sim_p_1?ie=UTF8&refRID=1N12E9A427CW2WW909JQ	
SanDisk Ultra 64 GB microSDXC Class 10 UHS-1 Memory Card 30MB/s with Adapter SDSDQU-064G AAFP-A	\$46.41		
SanDisk Ultra 64 GB microSDXC Class 10 UHS-1 Memory Card 30MB/s with Adapter SDSDQU-064G AAFP-A	\$46.41		
SanDisk Ultra 64 GB microSDXC Class 10 UHS-1 Memory Card 30MB/s with Adapter SDSDQU-064G AAFP-A	\$46.41		
GoPro Suction Cup Mount	\$26.89	http://www.amazon.com/GoPro-AUCMT-302-Suction-Cup-Mount/dp/B00F19Q7YI/ref=pd_cp_p_3	
GoPro Headstrap and Quickclip Moun	\$17.99	http://www.amazon.com/GoPro-Headstrap-Mount-Quick-Clip/dp/B00F19PYR4/ref=sr_1_6?s=photo&ie=UTF8&qid=1392829504&sr=1-6	
GoPro Limited Edition LCD Touch BacPac	\$79.99	http://www.amazon.com/GoPro-ALCDB-303-LCD-Touch-BacPac/dp/B00G4771KA/ref=sr_1_1?s=photo&ie=UTF8&qid=1392829675&sr=1-1&keywords=go+pro+bacpac	Compatible with all HERO3 and HERO3+ cameras; Includes: (1) LCD Touch BacPac and Protective Case; Includes: (1) BacPac Compatible Housing; Includes: (1) Standard and Skeleton Backdoors; Includes: (1) Touch Backdoors
Grenade Grip - Hand Grip for GoPro® HERO Camera	\$22.99	http://www.amazon.com/Grenade-Grip-Hand-GoPro%C2%AE-Cameras/dp/B006XE4SIW	
GoPro Chest Mount Harness for HERO Camera	\$33.70	http://www.amazon.com/GoPro-Chest-Mount-Harness-Cameras/dp/B0025UEQQW/ref=pd_sim_sbs_sg_8?ie=UTF8&refRID=1VF3462WHHFNKVC6T1X	

GoPro Hero3+ "Jaws" Flex Clamp Mount	\$39.99	http://www.amazon.com/GoPro-Hero3-Jaws-Clamp-Mount/dp/B00H2YPM4G/ref=sr_1_2?s=electronics&ie=UTF8&qid=1392828876&sr=1-	
POV Case 3.0 XS GoPro-edition Blue (for HD Hero 1,2 3,3+)	\$24.99	http://www.amazon.com/POV-Case-GoPro--Blue-Hero/dp/B00CRETIKU/ref=sr_1_8?ie=UTF8&qid=1393280594&sr=8-8&keywords=go+pro+case	
POV Case 3.0 XS GoPro-edition Blue (for HD Hero 1,2 3,3+)	\$24.99		
POV Case 3.0 XS GoPro-edition Blue (for HD Hero 1,2 3,3+)	\$24.99		
Canon PowerShot SX510 HS 12.1 MP CMOS Digital Camera with 30x Optical Zoom and 1080p Full-HD Video	\$188.89	http://www.amazon.com/Canon-PowerShot-SX510-Digital-Optical/dp/B00EFILPHA/ref=sr_1_1?ie=UTF8&qid=1392326395&sr=8-1&keywords=powershot+sx510	
Canon PowerShot SX510 HS 12.1 MP CMOS Digital Camera with 30x Optical Zoom and 1080p Full-HD Video	\$188.89		
Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99	http://www.amazon.com/Transcend-Class-Flash-Memory-TS32GSDHC10E/dp/B003VNKNF0/ref=pd_bxgy_p_img_y	
Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99		
Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99		
Case Logic DCB-304 Compact System/Hybrid Camera Case (Black)	\$11.29	http://www.amazon.com/Case-Logic-DCB-304-Compact-System/dp/B0039BPG1A/ref=pd_sim_p_1?ie=UTF8&refRID=0DW9PZDHPQ6G0WDDPS5E	
Case Logic DCB-304 Compact System/Hybrid Camera Case (Black)	\$11.29		
Case Logic DCB-304 Compact System/Hybrid Camera Case (Black)	\$11.29		
3x Canon PowerShot SX510 HS SX-510 HS Digital Camera Premium Clear LCD Screen Protector Cover Guard Shield Film Kits. Exact fit, no cutting. (3 pieces by GUARMOR)	\$6.75	http://www.amazon.com/PowerShot-Digital-Protector-cutting-GUARMOR/dp/B00GXXIKIC/ref=pd_sim_p_9?ie=UTF8&refRID=11RRBS8128TZGSW5YBPX	
3x Canon PowerShot SX510 HS SX-510 HS Digital Camera Premium Clear LCD Screen Protector Cover Guard Shield Film Kits. Exact fit, no cutting. (3 pieces by GUARMOR)	\$6.75		

Sony Bloggie Sport (MHSTS22/B) Waterproof Video Camera with 4x Digital Zoom and 2.7-Inch Touchscreen LCD (Black) (New Model)	\$169.99		
Sony Bloggie Sport (MHSTS22/B) Waterproof Video Camera with 4x Digital Zoom and 2.7-Inch Touchscreen LCD (Black) (New Model)	\$169.99		
Sony Bloggie Sport (MHSTS22/B) Waterproof Video Camera with 4x Digital Zoom and 2.7-Inch Touchscreen LCD (Black) (New Model)	\$169.99		
Gizmo Dorks Executive Case Kit Black with Carabiner Key Chain for the Sony Bloggie Touch Camera 8 GB / 16 GB MHS-TS10 / MHS-TS20	\$13.95	http://www.amazon.com/Gizmo-Dorks-Executive-Carabiner-MHS-TS10/dp/B004CTXKR0/ref=pd_bxgy_p_text_y	The case sleeve is made of durable water resistant neoprene that has a smooth anti-scratch interior. Mini HDMI (Type C) to HDMI (Type A) cables: 24k Gold-Plated Connectors High-Purity Oxygen Free Copper Conductors (30awg Cable).The USB extension cable is great for data transfer or charging your electronic device. The car charger is great for long road trips and has an input DC 12V-14V and outputs DC 5V +/- 5%.This purchase includes a case, cable, USB extension, car charger, wall charger, and a carabineer key chain.
Gizmo Dorks Executive Case Kit Black with Carabiner Key Chain for the Sony Bloggie Touch Camera 8 GB / 16 GB MHS-TS10 / MHS-TS20	\$13.95		
Gizmo Dorks Executive Case Kit Black with Carabiner Key Chain for the Sony Bloggie Touch Camera 8 GB / 16 GB MHS-TS10 / MHS-TS20	\$13.95		
2x Sony Bloggie Touch MHS-TS20/TS10 4GB 8GB Digital Video Camera Pocket Camcorder Premium Clear LCD Screen Protector	\$6.00	http://www.amazon.com/MHS-TS20-Camcorder-Protector-satisfaction-guaranteed/dp/B004DMOAK2/ref=pd_bxgy_p_img_z	
2x Sony Bloggie Touch MHS-TS20/TS10 4GB 8GB Digital Video Camera Pocket Camcorder Premium Clear LCD Screen Protector	\$6.00		
2x Sony Bloggie Touch MHS-TS20/TS10 4GB 8GB Digital Video Camera Pocket Camcorder Premium Clear LCD Screen Protector	\$6.00		
Kodak PlaySport (Zx5) HD Waterproof Pocket Video Camera	\$129.99	http://www.amazon.com/Kodak-PlaySport-Waterproof-Pocket-Camera/dp/B004FLL5BI/ref=sr_1_1?s=electronics&ie=UTF8&qid=1392746724&sr=1-	
Kodak PlaySport (Zx5) HD Waterproof Pocket Video Camera	\$129.99		
Kodak PlaySport (Zx5) HD Waterproof Pocket Video Camera	\$129.99		

Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99	http://www.amazon.com/Transcend-Class-Flash-Memory-TS32GSDHC10E/dp/B003VNKNF0/ref=pd_bxgy_p_img_y	
Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99		
Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99		
Transcend 16GB Class 10 SDHC Flash Memory Card (TS16GSDHC10E)	\$11.99		
6 x Clear Screen Protectors for Kodak PlaySport ZX5 - Anti-Scratch LCD Guards / Display Savers	\$3.82	http://www.amazon.com/Clear-Screen-Protectors-Kodak-PlaySport/dp/B005NRKAQE/ref=sr_1_1?ie=UTF8&qid=1393272295&sr=8-1&keywords=kodak+playsport+screen+protector	
6 x Clear Screen Protectors for Kodak PlaySport ZX5 - Anti-Scratch LCD Guards / Display Savers	\$3.82		
6 x Clear Screen Protectors for Kodak PlaySport ZX5 - Anti-Scratch LCD Guards / Display Savers	\$3.82		
rooCASE EVA Hard Shell (Candy Licorice Silver) Carrying Case with Memory Foam for Kodak PLAYSPORT Zx5 Video Camera HD Camcorder	\$7.00	http://www.amazon.com/rooCASE-Licorice-PLAYSPORT-Zx5-Camcorder/dp/B004IW6F4Q/ref=sr_1_2?ie=UTF8&qid=1393273656&sr=8-	
rooCASE EVA Hard Shell (Candy Licorice Silver) Carrying Case with Memory Foam for Kodak PLAYSPORT Zx5 Video Camera HD Camcorder	\$7.00		
rooCASE EVA Hard Shell (Candy Licorice Silver) Carrying Case with Memory Foam for Kodak PLAYSPORT Zx5 Video Camera HD Camcorder	\$7.00		
Locking Cabinet for Cameras with capabilities of charging	\$600.00	http://www.amazon.com/Balt-Economy-Charging-Cart-Compartments/dp/B00CE6ECWK/ref=pd_sim_sbs_hg_4?ie=UTF8&refRID=0J4W9M7T4XK8DKT2ZM2M	This is just an idea of the type we are looking at, we would like a cabinet that is wall mountable, and has the ability to charge the cameras in storage. It would also be nice to have it store the cases and accessories as well. If we are unable to find one that we can buy we anticipate having someone at the School District's warehouse making one to our specifications.
TOTAL	3483.46		