

School of Math, Science, and Engineering



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Students “Flip” for New Cameras!

by Lisa Velick

Donorschoose.org is a great site for teachers to request resources for their classrooms. I sought out the site in hopes of obtaining four new Flip cameras for my Film Appreciation class. After about five months of my project being listed on the site with little activity from donors, it was suddenly funded! A handful of women from the Adam Lambert Fan Club donated money on every day of Hanukkah until my goal of nine hundred fifty dollars was met. I received the cameras shortly after returning from holiday break, and my students will use them to film their final exam projects in May.

Many people wonder, what’s the catch? There is a requirement for teachers who have their projects funded, but I’d hardly call it a “catch”. Once the materials are received the teacher is asked to make a Thank You Package. The teacher and students write thank you letters and take pictures of the materials in action to send to donors; a task most of us would probably complete anyway.

Film Appreciation at Wando will benefit from these cameras in



many ways. Hopefully, the class will give students a new way to express their creative voices.

If you have been wishing and hoping for technology or materials for your classroom that are not available through the district, DonorsChoose.org is a great site to visit.



UPCOMING EVENTS:

- *Math, Science and Engineering Business Alliance Board Meeting*, @ Feb. 23 6:30 pm room E 106
- *Engineering Club Meeting*, @ 7:50 am —E106 Sponsors: David Roemer
- *Kayak Club Meetings* 1st Monday of each month@ 3:45pm B 201 *Kayak Club Paddle* 1st Sat of each month. Sponsors: Jessica Herbert & Michele Powell
- *Math Team Sponsors*: Ted Guerard, Larry Crosswell, & Erin Crosswell
- *Marine Science Club Meeting*, @ 7:45 am—F204 Sponsor: Connie Leverett
- *Wando Wildlife Water Warriors* @ B 224 Sponsor: Diane Girardeau

♦ **BP Grant winner: David Roemer \$5,000 Engineering Summer camp!**

♦ **Environmental Science 2nd block \$500 Project Impact grant :Michele Powell**

♦ **Donor’s Choose Grant Fall 2009 recipient: Lisa Velick**

♦ **Marine Education Grant to Connie Leverett Fall 2009**



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MSE Course Highlights: Film Appreciation

In Film Appreciation students learn how to “read” films with an analytical eye.

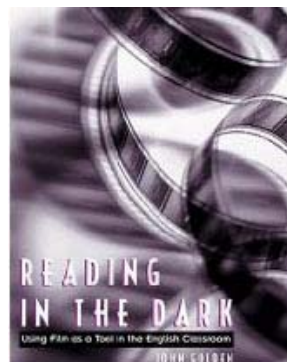
Students examine cinematic techniques, such as camera angles and lighting, and analyzing their effect on a scene.

This knowledge is used to identify literary significance, such as symbolism and irony, within an array of films ranging from *Gone with the Wind* to *The Dark Knight*. Students also

learn how to write critical film reviews as well as analytical essays exploring meaning through technique.

For the final project students create short films in groups using their new knowledge of reading films.

Overall, students gain a deeper appreciation for movies and how they are created.





Architecture Cluster

- ◆ Architecture Design

Agriculture, Food and Natural Resources Cluster

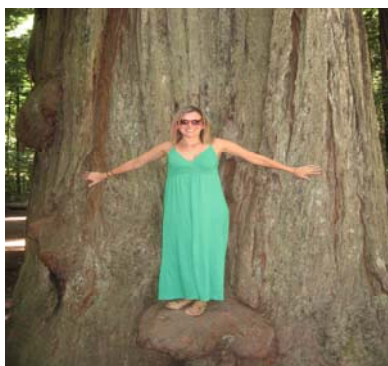
- ◆ Environment and Natural Resources

Science, Technology, Engineering and Mathematics Cluster

- ◆ Engineering
- ◆ Mathematics
- ◆ Science

Transportation, Distribution and Logistics Cluster

- ◆ Logistics Planning and Management



Lisa Velick

- ◆ Born & raised in Grand Rapids, MI
- ◆ Graduated from Western Michigan University as English Major
- ◆ Moved to SC in 2007 for job opportunity at Wando High School
- ◆ Teaches English 2,3 & Film Appreciation
- ◆ Hobbies: Reading, movies, traveling and spending time in nature
- ◆ Favorite Authors: Paolo Coelho, F. Scott Fitzgerald & Stephanie Meyer

Highlights of the Quarter: Environmental Science



Ms. Powell's Environmental Science 1st and 2nd Block Classes Fall 2009

The Fall 2009 Environmental Science classes visited the Monetnay Waste to Energy Facility in September while studying Municipal Solid Waste issues in class. They also toured the Charleston County Recycling Center where the plan is to increase the current recycling by 10% of the Charleston residents to 40% when the Montenay Facility is shut down December 31, 2009. Currently 80-90% of Charleston County's solid waste is turned into electricity. Beginning in Jan. 2010, all of Charleston County's solid waste will go to Bees Ferry Landfill so recycling efforts will be encouraged. In October, the environmental classes visited Fisher Recycling which currently has sold franchises in 30 states to begin similar recycling programs. Chris Fisher who began the company now uses the crush glass from bottles to make custom countertops, sinks and decorative tiles for homeowners. Half-Moon Outfitters distribution center was toured because Half-Moon is currently the only Platinum Award building in South Carolina. They have incorporated increase insulation, overhand to block summer sun, solar panels, rain cisterns and other methods to win this award. Beezer Molton, CEO, surprised the students with a quiz at the end of his tour giving tee shirts for correct answers!

Focus on Faculty: Michele Powell

Dean of Math, Science and Engineering, Michele Powell is shown with the faculty of Math, Science and Engineering School of Study (holding the poster!)

Ms. Powell has taught at Wando High for six years after retiring from Myrtle Beach High where she taught AP Biology, Research Techniques, Biology I and II. She was also Department Chair.

Currently she teaches Environmental Science and Biotechnical Engineering. Her Environmental Science classes are involved with Service Learning Projects this semester including recycling and environmental awareness project which will be presented to Laurel Hill Primary school students in December.

Wando High students will present skits dealing with important issues such as water quality, recycling and protecting storm drains. Three classes at Laurel Hill will be given tee shirts which are green in color and say Go Green Team. Funding for this project is from a grant from Project Impact of Charleston County, BP Cooper



River and several local donations.

Ms. Powell has been active in state and national organizations. She is Past President for the South Carolina Association of Biology Teachers and awarded the Outstanding Biology Teacher of South Carolina in 1986. She was Past President of South Carolina

Science Council and awarded the Presidential Award for Excellence in Science Teaching in 1996 for South Carolina.

Her daughter, Jennifer Morrow, teaches at Laurel Hill Primary. Her youngest daughter, Kelsey Powell teaches in Columbia, SC.