

School of Math, Science, and Engineering



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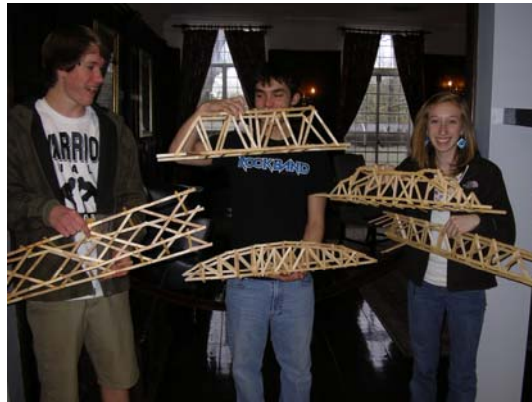
MSE: Wando Engineers + Competition = Success

The competitive spirit is alive and well within the Wando Engineering Club with impressive results:

*Kyle Olbrich + Nick Paciaroni: 1st place Academic Quest

*Robotics team of Jaime McDerrott (Capt), Paul Kern, Andrew Welch, J.D. Strobel, Ellori McPherson, Robert Baldwin, Kirsten Erich, Lewis French and Branch Moore competed in the FIRST Tech Robotics Challenge at SC State Un.

*Bridge Team designed and constructed stick bridges for competition in The Citadel Engineer's Bridge Competition. (see photo)



Bridge Competition winners in Structural Design are Branch Moore, Kyle Olbrich, 2nd place, Avery Joyce, Lewis French, Andrew Welch and Ellori McPherson won 3rd place

◆ The Inventor Design Team and the Digital Electronics Team competed in the statewide 2009 University of South Carolina Engineering Challenge in Columbia. Both teams performed admirably with the Digital Electronics team, comprised of Jamie McDermott, Paul Kern and Bradley Kennedy, taking

2nd place in the state.

◆ Introduction to Engineering Design student, Mark Davis earned 3rd place in the National Engineering essay competition "Imagine That! Engineering Innovations." Mark will be presented with \$100

cash award for his outstanding essay.

◆ Congratulations to all of our MSE students who have participated in these competitions— you make us PROUD.

- UPCOMING EVENTS:**
- *Math, Science and Engineering Business Alliance Board Meeting*, @ May 12 6:30 pm —E 107
 - *Engineering Club Meeting*, @ 7:50 am —E106
Sponsors: Deb Kennedy & David Roemer
 - *Wando Wildlife, Water Warriors W'*
Sponsors: Diane Girardens, Michele
 - *Math Team Sponsors:* Ted Guerard, Larry Crosswell, & Erin Crosswell
 - *Marine Science Club Meeting*, @ 7:45 am —F204 Due May 1st...field trip form for Spirit of SC May 7th trip
Sponsor: Connie Leverett
 - *Quiz Bowl*
Sponsors: Betty Sharpe, Erin Crosswell, & Larry Crosswell

• **National Ocean Science Bowl team placed 8th out of 24 teams in the Georgia/South Carolina NOSB quiz bowl. Way to Go!**

• **Christiane Camarillo selected New Teacher of the Year 2009 Wando!**

* **BP Grant applicants for 2009-10 from MSE include: Deb Kennedy, David Roemer, Connie Leverett and Michele Powell. GOOD LUCK!! Winners will be notified May 29, 2009**

Marine Science Highlights:

The Capers Island field trip with Ms. Leverett included a pontoon boat ride where students saw a dolphin maternity pod with a baby only 3 ft. long.

Landing on the island at a maritime forest, students walked to "Boneyard

Beach" passing by the resident American Alligator. On the beach, sea cucumbers, sea stars and various mollusks were identified.. Students used a seine net to capture silversides fish. It was an amazing learning experience!



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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



Christiane Camarillo

- ◆ Married 12 years, 2 sons ages 11 and 8 years old
- ◆ College of Charleston graduate
- ◆ Wando High School graduate
- ◆ Teaches Spanish I and II
- ◆ Hobbies: Gardening, Beach and Traveling with family
- ◆ Loves sushi, authentic Mexican food, salad and ice coffee
- ◆ Goals: Be the BEST Mom and teacher! Educate people culturally

Highlights of the Quarter:

Wando Engineering Tours Roper St. Francis



Cameron, Taylor and McCellan listen to engineer explain the Roper St. Francis hospital construction

Recently, Roper St. Francis Hospital and construction engineers with the construction management firm of BE & K, Inc., hosted the Wando Civil Engineering and Architecture classes at the site of the new Roper St. Francis Hospital in Mount Pleasant. Mr. Peter DiNicola, the Director of Engineering for Roper St. Francis greeted the students and invited them to examine the various graphs, drawings, schedules and renderings that covered the walls of the construction trailer. Mr. DiNicola then provided an overview of the project, and introduced students to real world example of the design process in action. Ms. Belina Cogle, Project Manager with PMR, Inc., and several BE&K engineers explained the lengthy design

process associated with the planning and implementation of a project of this magnitude. Students were interested to discover that the project architect, Freeman White (Charlotte), used the same 3D

architectural software package to design the hospital that they themselves use in class, Autodesk Revit. After a short safety presentation, students donned safety glasses and hard hats and took a tour of the construction site to get an up close and personal view of building design and construction practices.

The Mount Pleasant Roper St. Francis hospital is situated on a 78 acre site, half of which is wetlands that will be preserved. The two buildings will provide 200,000 square foot state of the art medical facility and offices and provide 85 patient beds.

Focus on Faculty: Lawrie Johnson-Kueneman

Lawrie Johnson-Kueneman received her Bachelor of Arts in Mathematics and her Masters of Science in Special Education. She has taught 15 years in California and South Carolina.

Currently Mrs. Johnson-Kueneman is working on her National Board Certification. She teaches Algebra 2 and Geometry at Wando. She is the Wando Algebra 2 and Geometry Concepts Curriculum Team leader.

In 2003-04, Mrs. Johnson-Kueneman was nominated for Educator of the Year



by California League of Middle Schools. She was a new teacher mentor for San Dieguito Union High School District 2002-04. She was Math Department Co-Chair for Earl Warren Middle School 1995-99.

In addition to spending lots of extra time helping her students here at Wando High, Lawrie enjoys the beach, reading, staying fit and Interior Decorating.

