



School of Business and Information Systems

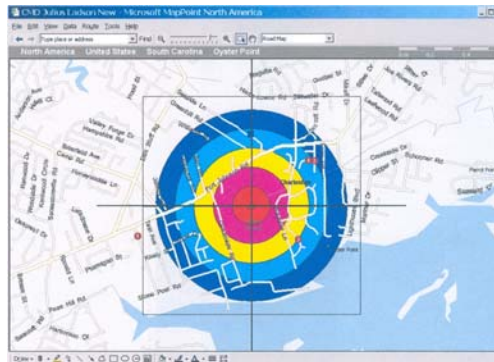
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School Achievements: Geographic Profiling

A few years ago Bill Anderson, a member of the Wando Math department was fortunate enough to do research on a project on crime patterns called Geographic Profiling. It was sponsored by the National Law Enforcement Technology Center – Southeast at the Trident Research Center, and funded by the National Institute of Justice in D.C. The objective was to develop a strategy to determine where the most likely area to search for an offender would be, based on the location of the crimes committed. Using geometric and statistical techniques and working with a criminology professor and software engineer, a prototype system was developed and is being tested by some police departments in SC and around the U.S. The following graphic shows a series of crime in red numbers and parts of circles that indicate priority search areas.

Last summer Anderson had the opportunity to continue to do evaluation of some techniques that had been developed during the previous year. It was very gratifying to see the progress that has been made and in the future to hopefully see how it is used to solve crimes, similar to systems that are discussed on the TV show, NUMB3RS.



UPCOMING EVENTS:

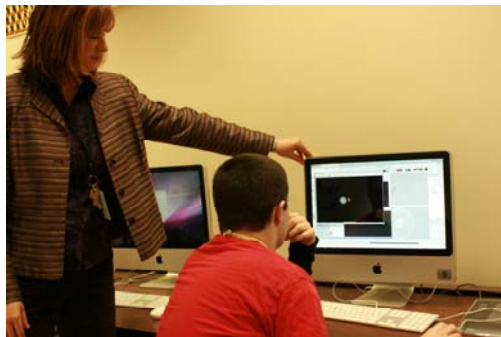
- ◆ *Culinary Arts - Quest Competition at Trident*
March 14, 2009
- ◆ *Personal Finance Capitol Hill Stock Market Game Challenge*
February 23—May 1
- ◆ *DECA South Carolina DECA State Conference and Competition*
February 20-22

Course Highlights: Advanced Animation and Gaming

The new Advanced Animation and Gaming program is off to a great start second semester. Students are learning a program called Maya which has been used by large corporations such as Dreamworks and Interactive Light and Sound. Several blockbuster movies produced by this program

are *Finding Nemo* and *Ice Age*. This class is a pilot and Mrs. Maria Smith has been work-

ing at implementing the Animation Academy to meet students' needs. Currently students are working on animating the Phases of the Moon.



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Business Management and Administration Cluster

- ◆ Administration and Information Support
- ◆ Business Financial Management and Accounting Management

Finance Cluster

- ◆ Banking Services

Hospitality and Tourism Cluster

- ◆ Culinary Arts
- ◆ Hospitality Management and Operations
- ◆ Sports, Entertainment and Recreation

Information Technology Cluster

- ◆ Information Support and Computer Service Technology (A+ Certification)
- ◆ Interactive Media
- ◆ Networking Systems (Net + Certification)
- ◆ Programming and Software Development

Marketing, Sales and Service Cluster

- ◆ Fashion Design and Apparel
- ◆ Marketing and Public Relations



Meredith Buckendahl

- ◆ *B.A. Political Science, 1991 College of Charleston*
- ◆ *M.A. History, 1993 Citadel*
- ◆ *Corporate Restaurant trainer, Garden Café Corporation and Ruby Tuesday Corporation*
- ◆ *Wando Girls Basketball Coach for 11 years*
- ◆ *Experiencing her 13th year of teaching at Wando High School*

Highlights for the Quarter: DECA News

Thirty six students in Personal Finance will be competing against High Schools from across the country in the "Capitol Hill Stock Market Game Challenge" from February 23, 2009 through May 1, 2009. There will be 10 teams made up of three to four students each representing Wando High School. Our participation in this event is once again sponsored by Sen. Jim DeMint (SC).

Wando DECA will be competing in the SC DECA State conference/ competition Feb. 20-22 at the North Charleston Convention Center. We have the largest contingent ever with 56 members attempting to qualify for the International Career and Development Conference in Anaheim, CA April 28-May 2, 2009.

Community effort: over 450 DECA members, stu-

dents, faculty and friends turned out for the Cliffcause: Laps for Leukemia Nov 23, 2008. Participants received pledges donations in honor of Cliff Beilke, who was diagnosed with ALL Leukemia in September 2008. Over \$17,500 was collected for MUSC research and needed comfort supplies for patients.

Focus on Faculty: Raymond McGrath

Mr. McGrath is a 1980 graduate of Duquesne University with a B.A. in Economics. He is currently working on a Master's of Science in Education (Integrating Technology in the Classroom). Although this is his fourth year at Wando High School, he has been teaching for six years. Mr. McGrath's previous 20 years of experience in sales and development, 14 as a stockbroker and six with the Catholic Cemeteries Association of the Diocese of Pittsburgh, help him make real world connections for his students..

Married for 28 years to Patti, who is also a 1980 graduate of Duquesne University, they have three children, Matthew, 27, married to Diane; Timothy, 25, is married to Kate. Their daughter Caitlin, 23, is married to Teddy and they have a

3 month son named Theo. Matthew and Timothy are both Winthrop University graduates and Caitlin is working on her early childhood degree in Columbia, S.C.

At Wando Mr. McGrath teaches Marketing, Personal Finance and Business Law. He is involved with the DECA organization (Marketing students). Also every year, 100-120 Business students compete in "The Stock Market Game" against high schools from across the country. In three years of competition, Wando has finished 1st one year and 3rd another.

Ray McGrath came into teaching rather accidentally. Seven years ago, he was living in Lake Wyle and had just left the business world. The Personnel Director in

Chester County (where his wife worked) called to see if he would be a long term sub for a business teacher at Lewisville High School in Lewisville, S.C. He agreed to take the job and found it to be very enjoyable and rewarding. He entered the alternative certification program (Critical Needs) the state offers and moved to Mt Pleasant in the summer of 2002 and began working at Hanahan High School in '02-'03 school. He "has never looked back or regretted it for one minute."

