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ATC NEWS

| VOLUME 2 | ISSUE 2 | FEBRUARY 2010 |

Michael D. Taylor, ATC Director visits the Holiday Inn-Executive Center

This Holiday Season was an especially eventful one at the Advanced Technology Center this year. Our December 9th Open House was a fantastic success with middle and high school students and their parents from across the city joining us to experience first-hand all that the ATC has to offer, and to learn what preparations need to be made to fit our advanced programs into their future class schedules.

Additionally, the season finds our students and staff actively involved in the recruiting process for 2010 - 2011. Mrs. Garvey, Assistant Director, will have completed face to face presentations to every sophomore in the school division by the time you read this article, and our students will have begun their participation in our R2 (refer two) program; telling their friends about the fantastic experiences that they have encountered at the ATC, and why they believe that they too might also benefit from attending one of our programs

I would like to put in a special plug for two programs that one would not normally associate with technology and the Advanced Technology Center. The ATC's exceptional Marketing Education programs are well worth consideration. Our Hotel Operations & Management program recently entered into a partnership with the management of the Holiday Inn-Executive Center to provide workstation experiences for our students. This program, as well as our Retail Operations & Management program (Classroom on the Mall), provides students the opportunity to work closely with working professionals while earning a paycheck and class credit at the same time. One of my own daughters participated in the Classroom on the Mall program, and the experiences she had, and leadership skills she gained were outstanding preparation for her further educational and life experiences.

Please do not hesitate to contact us should you ever have any questions regarding the Advanced Technology Center and its exceptional programs. The school division's strategic plan, "Compass to 2015" is focused on "preparing students to succeed as 21st century learners, workers and citizens." Without doubt our programs are extraordinary examples of what 21st Century learning is all about.

Sincerely,

Michael D. Taylor
Director
mdtaylor@vbschools.com

2009 Exemplary Publication

THE ADVANCED TECHNOLOGY CENTER IS ENROLLING NOW!

VISIT

HTTP://WWW.VBATC.COM/ATC-APP-2010-11.PDF

TO DOWNLOAD AN APPLICATION

FOR MORE INFORMATION
www.imagineinnovatecreate.com
OR
648-5800 ext. 0

ADVANCED TECHNOLOGY CENTER
1800 College Crescent
Virginia Beach, VA 23453

INFORMATION TECHNOLOGY

ATC HELPS IN ANNUAL FOOD DRIVE

Computer Network Administarion students from left:
Jereme H., Mike T., Taylor H., Kyle E., Abdul Z., and Corey A.

On Saturday, October 24th, twelve ATC students and two teachers (Linda Lavender & Lee Troxell) worked at two local Farm Fresh locations in supporting the Food Bank's annual food drive collection with area Girl Scout troops. Computer Network Administration (CNA) students unloaded donations from cars, and worked inside the tractor trailers un-boxing and sorting food. CNA students and staff donated 60 hours of time towards this cause.

A+ COMPUTER REPAIR STUDENTS GIVE BACK TO THE COMMUNITY

A+ Computer Repair students pictured left to right: Shad C., Jordan W., Aaron D., A+ Computer Repair/Computer Network Administration II student, Julius B., Thomas G., and John Joanides, A+ Computer Repair instructor.

In the early fall this year the A+ Computer Repair class received a shipment of used government computers through the Virginia Student Training and Refurbishment (STAR) Program in Richmond, VA. These computers gave students a chance to utilize their computer repair skills to refurbish the equipment. The Department of Media and Communications identified needy families in the community who could benefit from a restored computer. On December 8th families gathered in the ATC Technology Theater to receive student led training and a free computer. It was a win-win for all.

TELECOMMUNICATIONS

CISCO BEGINS SENIOR PROJECT

The seniors in the Cisco Networking Academy met with representatives from the Cisco Corporation to discuss the Senior Project on December 18, 2009 in their classroom. The project includes dividing the class into two teams whereby each team must respond to a Request for Proposal (RFP) and build a network in four virtual cities for online gaming. Students will build the network at the ATC in the spring and participate in the online gaming network. The RFP was presented to the students by Lee Livingston, Cisco United Communications Specialist. During the meeting the students were joined by business networking representatives through Web X from California, Charlottesville, and Virginia Beach. John Nelson is the Cisco Networking Academy instructor.

ENGINEERING AND MANUFACTURING

MODELING & SIMULATION CLASSES PARTICIPATE IN TCC GEOGRAPHIC INFORMATION (GIS) SYSTEMS DAY

by Tiffany D.

Derek H. observes some of the poster displays for the GIS Day

On Friday, November 20, 2009, the ATC Modeling and Simulation classes attended the GIS Day event held on the TCC campus. First, Bob Rike of ESRI explained that GIS, uses maps and technology to analyze data and find solutions. The next speaker was Dr. Hua Liu, a professor from ODU. She showed a recent case study that used GIS techniques to track West Nile Virus outbreaks in Indianapolis. It was interesting to see how Geographic Information Systems are used in our everyday lives.

MODELING & SIMULATION - THE JUNIOR ACHIEVEMENT HIGH SCHOOL PROGRAM

by Tiffany D.

Pictured left to right: Joey G, Richard Z. (3D Modelers), Alex C. (Video Director), and Tiffany D. (Script Editor)

ATC Modeling and Simulation students are collaborating with an upper level marketing class from Landstown High School to create a student-led company which markets a sustainability product or service as part of the Junior Achievement Company Program. On December 2, 2009, we elected the president and department heads for our to-be-named company. In upcoming weeks we will research market needs and develop a sustainable product/service to meet those needs. Additionally, we will develop a Web site, wiki/twitter sites, Web-based market surveys, TV commercial, and a documentary video of the entire process.

MARKETING EDUCATION

HOTEL MARKETING CLASSES ELECT DECA OFFICERS

The Hotel Marketing Classes elected DECA Officers this past fall. The officer's were installed at Landstown High School on October 20, 2009. From left to right: Marissa J. - Secretary, D'Andria G. - President, Hailey M. - Reporter, and Brianna D. - Vice President. The officers recently met at Olive Garden to plan DECA activities for the year. Congratulations to all!

HOTEL CLASSES PARTNER WITH THE HOLIDAY INN EXECUTIVE CENTER HOTEL

Pictured from left to right: Back Row: Devonna T., D'Andria G., Joel T., Holiday Inn Executive Center General Manager, Mr. Richard Davis, Front Office Manager, Mr. Pierre Dawson, Tiffany P., Hailey M., and Kenneth W. front row: Dyamond B., Brianna D. and Shannon P.

Hotel Marketing students are excited to have partnered with the Holiday Inn Executive Center Hotel. The students will visit the hotel periodically throughout the school year to job shadow and learn hotel operations and management techniques. This is an especially exciting time to work with the Holiday Inn Executive Center because they are in the final phase of a multi-million dollar renovation.

CLASSROOM ON THE MALL PLAYS THE STOCK MARKET!

Pictured left to right is the "4 for Fortune Team", Davon W., Katrina A., Bryan W. and Brittani T.

Classroom on the Mall students enjoyed a day at the Ted Constant Center participating in the Stock Market Challenge sponsored by Junior Achievement. Students competed against other high school teams in the area as they bought and sold stocks on the "trading floor".

SPECIAL ACTIVITIES

FBLA MEMBERS "HUDDLE" UP

FBLA members at the ATC are collaborating on many projects through the use of Web 2.0 technology. At the ATC, FBLA members "huddle" with each other on an interactive shared site from Huddle.net. Members are creating shared whiteboards (wiki's), sharing files, setting up tasks, blogging and more.

TV HAS THE EMMYS AND THE ATC HAS THE DIGIES

Sheryl D. (second from left) celebrates her Digie in Best PowerPoint with the hosts of the Digies, Holly I. (far left), Jessica C., and James N. (standing at the right, respectively)

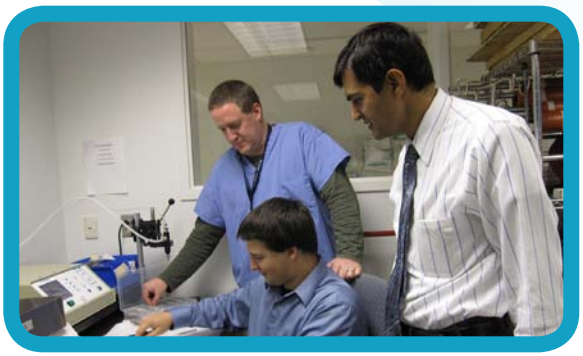
ATC students celebrated their internal computer competition contests called, "The Digies" with our annual awards gala. Thirteen students received top honors in competitions including: Outstanding PowerPoint, Video Creation, Google SketchUp Design, T-shirt Logo, Digital Photography, and our own Imagine Innovate and Create competition.

ATC AWARDED GRANT TO FUND WORK-BASED EXPERIENCES

The Advanced Technology Center was awarded a grant funded by the U.S. Department of Labor. The grant, Workforce Innovation in Regional Economic Development (WIRED), is a collaborative effort among Southeastern Virginia Partnership for Regional Transportation (SEVA-PORT) partners, Opportunity Inc., and Virginia Beach City Public Schools. This $15,000 grant will fund 14 work-based experiences for students in the ATC engineering and manufacturing strand (Computer Aided Drafting and Design, Marine Engineering and Design, Engineering Technology, and Modeling and Simulation courses) to work up to 98 hours. Participants in the grant met the guidelines for the Work Based Experiences and were screened by their instructor. Below are some of the students at their work site.

SEVA PORT
Southeastern Virginia Partnership for Regional Transformation

Amber W. (left) Computer Aided Drafting and Design (CADD) student is mentored by Sue Kriebel, Civil Engineer at Clark Nexsen. Amber is working on a variety of projects in AutoCAD and Revit.

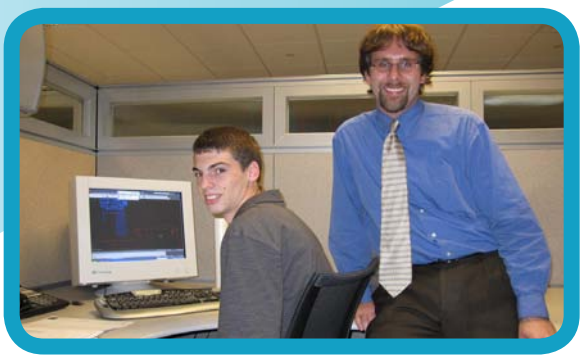


John Laing, Engineering Equipment Team Lead (standing left) mentors Chris S., ATC Engineering Technology student (seated) with Bharat Z. Patel, Manager, Process Engineering at LifeNet Health. Chris's projects range from designing work analysis spreadsheets and pivot charts to testing, repairing and assembling equipment.

Troy Harris, Electrical Designer; and Mike Lally, LEED AP (back left to right); from Pace Collaborative mentor Sheena Fe A. (front left), ATC CADD student and Stacia P. (front right), CADD/Marine Engineering and Design. Students are working on a variety of projects related to commercial buildings. Eddie Abrams, VP in Charge of Electrical Design also mentors the students.

Megan Robison Opportunity Inc. SEVA-PORT Manager (standing left) with Dave Mack, City of Virginia Beach Engineering Technician II (standing right) reviews city maps designed by, Nick V., ATC CADD I/Marine Engineering and Design student and Constance O., ATC CADD/Modeling and Simulation student. Students are using MicroStation CADD software, ESRI Arc/Map and Photoshop software. Rick Hottenstein, City of Virginia Beach Engineering CADD Supervisor is also a mentor to the students.

Collin S. (left), ATC CADD student, is mentored by Todd Rassmussen (right), HBA Architects Senior Technician. Collin has an opportunity to apply his drawing skills to some defense projects.



Tyler H. (seated), ATC CADD/Marine Engineering and Design student is mentored by John Den Boer, HBA Architects Intern Architect. Tyler is working on the floor plan of a school.

Pictured at the Military Aviation Museum are: David Hunt, Director Military Aviation Museum; Ralph Denton Museum Curator/TCC CADD Program Head/mentor, Joseph A., Modeling and Simulation/Software and Gaming Student; Zygmunt B., Modeling and Simulation/Software and Gaming Student and William Jackson, Modeling and Simulation instructor/mentor. The students are modeling key aspects of the museum in 3d Studio Max.

STUDENTS WIN FREE MICROSOFT SOFTWARE AT ATC OPEN HOUSE

The Advanced Technology Center Sponsored an Open House with Planning Ahead Sessions for Middle and High School Students on December 9, 2009. At the close of the Open House the ATC held three drawings for FREE Microsoft software. Congratulations to the winners below. A third student won Microsoft Office One Note software. (Not Pictured)

Rodger V. II from Ocean Lakes High School won Microsoft Office 2007 Ultimate software.

Ariana H. from Cox High School won Microsoft Expression Web II software.

Michael D. Taylor, Director
Ann Marie C. Garvey, Editor and
Assistant Director of Student Programs and Business Development
Produced by The Advanced Technology Center and
Robert John G., Digital Design Student and Graphic Designer