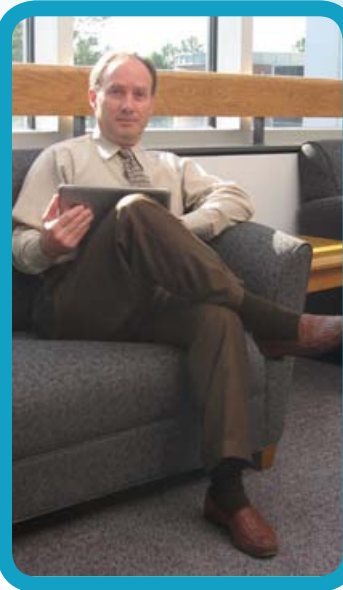


IMAGINE. INNOVATE. CREATE.

ATC NEWS

| VOLUME 2 | ISSUE 1 | NOVEMBER 2009 |



Thank you for taking the time to access the Advanced Technology Center's fifth edition of the "ATC News"; just one of the many ways we attempt to keep the public up to date on the exploits of our imaginative, innovative, and creative staff and students. As I look back over the past seven years, years that have passed in what seems to be the blink of an eye; I stand somewhat amazed at the tremendous successes experienced by our faculty and students. Successes evidenced by the hundreds of recognitions garnered by our students and faculty in competitions, and the thousands of valuable industry

certifications and assessments earned and passed by the ATC's current and former students.

As we move forward into our eighth year of operation, we do so firmly committed to our original mission, and to the support of

the Virginia Beach City Public Schools "Compass to 2015", the school division's strategic plan designed to ensure that the children of Virginia Beach are truly prepared to be 21st Century learners and citizens.

I would like to extend my personal invitation to the public to join myself, Mr. Andrew Smith, our 2010 Teacher of the Year, and the rest of the ATC's outstanding faculty and staff on December 9th, from 5:30 - 8:00 PM, for our Open House and Planning Ahead Sessions. This enjoyable evening is designed to allow the public to see firsthand the outstanding facilities and programs offered at the ATC, meet with our exceptional staff, and to attend planning ahead sessions that will assist future students and their parents in the sometimes confusing process of planning a student's academic future. You may be one of the lucky guests destined to win free software donated by Microsoft. This will be our only Open House this school year, and we expect to have a tremendous turn-out.

I hope that you find the "ATC News" useful and informative, and please never hesitate to contact us with any questions you may have regarding the Advanced Technology Center and its programs.

Sincerely,

Michael D. Taylor
Director
mdtaylor@vbschools.com



ATC OPEN HOUSE AND PLANNING AHEAD SESSIONS!

FOR ALL MIDDLE AND HIGH SCHOOL
STUDENTS AND THEIR PARENTS

WEDNESDAY
DECEMBER 9, 2009
5:30 PM - 8:00 PM



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

ADVANCED TECHNOLOGY CENTER
1800 College Crescent
Virginia Beach, VA 23453

INFORMATION TECHNOLOGY

WHO IS BEHIND THE NEWSLETTER?



Also a senior at Salem High School, Robert John G. is a Digital Design student at the Advanced Technology Center. In addition to his other projects, Robert John has been working diligently on the ATC newsletter. Robert John is thrilled to be a part of this endeavor and seeks to strengthen his skills and abilities as a graphic design artist.

FBLA CHAPTER TO BEGIN AT THE ATC



Students in the Computer Network Administration, Software and Game Development, and Internet Web Professional courses are excited to start an FBLA (Future Business Leaders of America) chapter at the ATC this year. Students have been busy at work planning the Program at Work, which will include activities directly related to course work and business concepts, community service projects, social activities and financial planning. Faculty advisors and students are reaching out to local businesses for involvement in helping prepare our students for career related matters and of course for student competitions.

COMPUTER NETWORK ADMINISTRATION (CNA)



Pictured left to right is Jacob W. and Mike T., CNA students.

Students in both levels of Computer Network Administration are learning the latest skills in network administration with brand new and updated certifications. CNA I students will be testing on a new and improved Network + certification which includes many new topics including Voice over IP technologies. Students also have been using the new Windows 7 operating system - weeks before it was ever officially released. CNA II students are also using the latest in Microsoft Server technology - Server 2008 and will prepare for a brand new Microsoft Certification - MCT [Microsoft Certified Technology Specialist].

CNA STUDENTS HOST WINDOWS 7 LAUNCH PARTY



Computer Network Administration I students: Aaron D., Ashley P., Vanessa G., and Christopher J. displayed the Windows 7 cakes used to kick off the celebration.

CNA I students hosted a Windows 7 "Launch Party" for Information Technology (IT) students at the ATC to kickoff the long awaited release of Microsoft's newest operating system. IT students were treated to an informative and interactive event - complete with Windows 7 presentations, a newsletter and hands on activities.

DIGITAL DESIGN CLASS PLACED FIRST IN COMPETITION!

The Digital Design class from the Advanced Technology Center competed in the 36th annual Neptune Festival Sand Sculpting Competition. Students from both the Digital Design I and II classes worked together to create their interpretation of this year's theme: "Remember the Time." The student's sculpture was centered on the look and feel of the 70's, as the first sand sculpting competition was in 1973. King Neptune made a peace sign with his right hand, and was surrounded by flowers and various marine life. Facing stiff competition, the Digital Design class won First Place.



TELECOMMUNICATIONS

COX COMMUNICATIONS PROVIDED HANDS-ON ACTIVITIES DURING ATC SUMMER CAMP

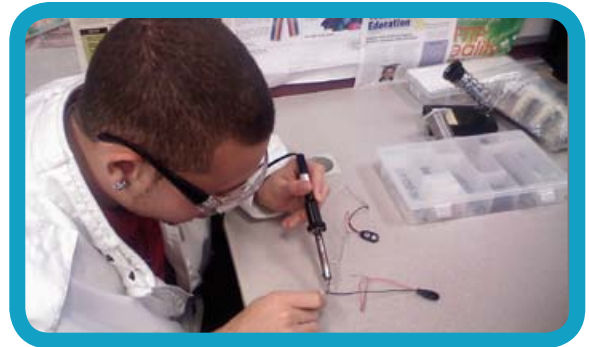


Randy Burgess, Cox Communications Technical Training Manager shows Christy C., a student at Bayside High School how to make a coaxial cable during the ATC Summer Camp for Rising 9th grade students this past August. Cox Communications is a strong supporter and partner in Telecommunications and Cisco Networking Academy classes.



Shon E. and Jarrell J. are painting their class theater.

TELECOMMUNICATIONS I EXPERIMENT WITH SECURITY



Tony G. is soldering a component in his Telecommunications class.

Currently, the Telecommunications I class is building electronic surveillance circuits. They are experimenting with different ways to protect and secure buildings and limit access to certain people. In the next couple of weeks, they will be installing their own electronic door lock system into their classroom. After installation, each student will have an access card of their own to open the classroom door.

TELECOMMUNICATIONS II CREATES A HOME THEATER

The Telecommunications II class is constructing a home theater room within their classroom. They have built a 12 x 8 partition that will accommodate a 52" plasma TV and surround sound system. The wiring of the high definition components will be completed by the end of October. Come by and hear and see the difference.

FORMER ATC STUDENTS NOW SERVE ON THE CISCO NETWORKING ACADEMY ADVISORY COUNCIL

The Advanced Technology Center (ATC) for Virginia Beach City Public Schools (VBCPS) Cisco Advisory Council met on October 21, 2009 to plan the 2009 - 2010 Cisco Networking Academy Senior Project. This year's board is joined by Stephen L. who graduated from last year's Cisco Academy. The council now includes three Cisco Academy alumni. The council members will plan the senior project which includes the current students working in teams and designing a gaming network. Students will build in four virtual cities.



Pictured left to right: Ann Marie C. Garvey, ATC Assistant Director; Dr. Daniel Smith, VBCPS Technical and Career Education Coordinator; John Nelson, ATC Cisco Academy Instructor; Steven L., Cisco Academy Graduate and First Colonial High School Student, ABS Technology Architects Technician; Standing: William E. Robbins III (2002 Cisco Graduate), Harris IT Services Corporation, EDS Contractor; Cory Gray, (2002 Cisco Graduate) Cisco Systems, Network Consulting Engineer; Trent Dorroh, ABS Technology Architects, Account Executive; Aaron Ramirez, Cisco Sales Systems Engineer; and Michael D. Taylor, ATC Director.

ENGINEERING AND MANUFACTURING

ENGINEERING TECHNOLOGY STUDENTS APPLY 21st CENTURY SKILLS AT THE ROPES COURSE



Brandon M., ET student, is soaring to new heights.

The Engineering Technology (ET) I class visited the Ropes Initiative course for the fourth straight year. Students learned and practiced Work Place Readiness Skills such as: Teambuilding, Reasoning, Problem-Solving, Decision-Making, Speaking and Listening, Work Ethic, Positive Attitude, Independence, and Initiative. The students developed good interpersonal and leadership skills while having a great time.

THE SKY'S THE LIMIT IN ENGINEERING TECHNOLOGY by Katelyn F. and Blair C.



Pictured left to right: Kneeling: Mikey K., Andrew C.
Standing: Roshni B., Blair C., and Katelyn F.

The Rocket Club is back at the ATC! Blair C. helped form the club with students from the Engineering Technology program. Her dad, Skip Cutting, has agreed to be the team's mentor. His involvement and knowledge has been helpful for the students as they design their own rocket for the Team America Rocketry Competition. In this competition, participants must design and build a rocket that travels to 825 feet within 40 to 45 seconds without damaging the precious payload of one raw egg.

MODSIM WORLD 2009 CONFERENCE AND EXPO

by Tiffany D.

The ATC Modeling and Simulation class had the opportunity to attend the 2009 World MODSIM Conference and Expo on Thursday, October 15, 2009 at the Virginia Beach Convention. We were able to see the variety of careers that use modeling and simulation, including NASA scientists, Microsoft product developers, meteorologists, and even military commanders. In the past several years, there has been a development of modeling and simulation into almost every professional field.

MARINE ENGINEERING AND DESIGN



This course introduces the student to the industry and provides them with the basic understanding of the drafting and design skills used. Trent B. and Justin V. are currently working on a project to incorporate various pieces of equipment into their ship design.

ATC
advanced technology center

ATC STUDENTS LEARN ABOUT FINANCES ON WESEED.COM



Students in the Computer Networking Administration, Cisco Networking Academy and Hotel Operations and Management classes are learning about financial literacy in a new way - utilizing the hot new Web 2.0 site of WeSeed.com. Students play with WeSeed cash and invest in today's stock market in this interactive program designed to educate students with financial and stock market literacy. In addition to maintaining a personal portfolio, student teams have been created to foster collaboration and old-fashioned competitiveness. Besides building financial portfolios, WeSeed delivers daily student focused stock market video announcements and an interactive learning center.

ATC AWARDED GRANT



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 must meet the guidelines for the Work Based Experiences and be screened by their instructor. Pictures to come in the next few issues.

MARKETING EDUCATION

HOTEL MANAGEMENT



Hotel Management is pleased to announce a partnership with the newly renovated Holiday Inn Executive Center Hotel! Students will be visiting the hotel throughout the year to gain hands on experience in the industry. In the photo above, management student Blake B. prepares the buffet table for a 200 person luncheon.

CLASSROOM ON THE MALL RETAIL MANAGEMENT STUDENTS PLEDGE GREEN



Pictured left to right: Katrina A., Davon W., Brittani T., Bryan W., and Mrs. Creamer.

"Classroom on the Mall students pledge to sustain and make a change."

PARENT/STUDENT COMMENTS

"ATC is a great way to jump start a career." - Ashley U., ATC CADD Student.

"The ATC is a wonderful educational opportunity, one of the best in Virginia Beach. It provides programs that are both academically challenging, but at the same time gives the students exposure to real world practical experience that utilizes academics. For any students that are interested in architecture, engineering, and other possible careers, I cannot emphasize enough the benefit of this program. Students (and their parents) can learn while the student is still in high school, if a career in certain disciplines would be suited for this young person (without spending \$30,000 to explore this same option on the college level)." - Amy Upson, Parent.



Pictured left to right: Ashley U., ATC CADD student; Mr. Andrew Smith, CADD instructor; and Mrs. Amy Upson, parent.

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