

ATC NEWS

IMAGINE. INNOVATE. CREATE.

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MAY
2011

Director's Message

The Advanced Technology Center is not just about gaining nationally recognized certifications, and participation in college level classes. Our students are also active in extra and co-curricular activities, both at their home schools, and the ATC. This fact has never been any more evident than it has been this winter and early spring, as our students have participated in the Great Computer Challenge, Future Business Leaders of America (FBLA), Distributive Education Clubs of America (DECA), the Virginia Aviation Poster Competition, and SkillsUSA, district, regional, and state competitions.

Throughout this month's newsletter you will have the opportunity to read about the outstanding successes that ATC students and instructors have experienced to date. Successes evidenced not just by the medals and the trophies won, but also by the leadership and life skills gained through these experiences.

More ATC champions have been recognized this year than I can acknowledge in this brief article, but I encourage you to learn



more as you dive into the meat of the newsletter, and to follow continued ATC success stories as they occur by visiting our new [Advanced Technology Center - Facebook Page](#).

It's not too late to apply for next year, so if you're interested in one of our programs, or are possibly unsure of what career direction you may want to follow; please visit our website at www.imagineinnovatecreate.com to learn more about the outstanding educational opportunities available at the Advanced Technology Center. We look forward to hearing from you soon!

Sincerely,

Michael D. Taylor
Director
mdtaylor@vbschools.com

THE
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ATC TEACHER, VOLUNTEER, AND MODEL PARTNER OF THE YEAR

Teacher of the Year: Kim Creamer



Kim Creamer has been teaching Marketing Education for Virginia Beach City Public Schools for 27 years. She piloted the Marketing Management @ Town Center course (formerly known as Classroom on the Mall) in 1991. She started her career at Princess Anne High School in 1984 following graduation from Winthrop University. Kim is the DECA Advisor for her Chapter and serves on numerous committees at the ATC and city-wide. She has received four Teacher of the Year Honors during her 27 year career.

Along with teaching, Kim is currently writing a high school Marketing Textbook, serving as a Travel Soccer Manager for her son's Beach FC team, and owns and operates her own business, Kim Creamer and Associates. She has been married for 27 years and has two children, Brittany, who lives in NC, and Bradley who attends Great Neck Middle School.

Volunteer of the Year: Harrell Peterson

Special thanks are extended to Harrell Peterson, ATC Volunteer of the Year for his work with Marketing Management (MM) at Town Center students.

Harrell has spent countless hours serving as a mentor/guest speaker to MM students regarding financial literacy and strategies. He visits twice a week for six weeks teaching and instructing a board game for a more fun path to financial planning and preparedness. He also serves on the advisory council, volunteers his time at open houses, and donates learning resources and promotional items to MM and much more.

Pictured left to right: Taylor V., Justin O., MM students and Harrell Peterson, Volunteer of the Year.



Model Partner of the Year: Virginia Beach Television (VBTv)

Over the years VBTv has accepted two Digital Design students as interns and they have produced three videos for the ATC. The most recent video production engaged viewers as ATC students applied their 21st Century Skills working with VBTv staff. It has replaced almost 100 annual oral presentations on each course with a brief introduction and captivating video.

First row pictured left to right: Kelly N., Benedict C., and Casey M., Advanced Internet Web Professional students; Second row: Jeff Barba, VBTv Multi-Media Communications Specialist III; Stan Wadowski, and Corey Sullivan, VBTv Multi-Media Communications Specialists.



INFORMATION TECHNOLOGY

A+ Computer Repair Students Give Back to the Community



The A+ Computer Repair class received a shipment of over 20 used government computers in partnership with Virginia Beach Public Schools Media and Communications office and the Virginia STAR (Student Training and Refurbishment) 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 March 10th over 20 families gathered in the ATC Technology Theater to receive student led training and a free computer. It was a win-win for all.

Left to right: John Joanides, A+ Computer Repair instructor, Ryan N., Devin G., Aaron S., Atrayu P., A+ Computer Repair students; Shad C., Computer Network Administration/ A+ Computer Repair student.

ENGINEERING/MANUFACTURING

Modeling and Simulation (M & S) Class Models Recycling



Students in the Modeling and Simulation class wanted to demonstrate to fellow ATC students the importance of recycling to reduce our carbon footprint; so they, with their teacher Mr. Jackson's strong encouragement, began collecting recyclable materials from the ATC classrooms. Mr. Jackson says, "This is a small effort to bring to the attention of all students that if we all do our part towards recycling we can have a large impact on our community."

Terry S., M & S student, Bill Jackson, M & S instructor, and Alex S., M & S student

Diving for Treasures at the Advanced Technology Center (ATC)



Jim Reich, Marine Engineering and Design instructor, and Shannon Ricles, National Oceanic and Atmospheric Administration (NOAA)

On February 16, 2011, Shannon Ricles from the National Oceanic and Atmospheric Administration (NOAA) demonstrated the basics of designing and building a Remote Operated Vehicle (ROV) to the ATC's Engineering Design and Marine Engineering and Design students. Students learned about buoyancy, weight distribution, pressure and volume. After the demonstration the students divided into teams of three to four students and proceeded to build their own ROV as they prepared for the March "Five Minutes to Win it Challenge!"

On March 11th each team of Mr. Reich's Engineering Design and Marine Engineering and Design classes competed against each other and operated their ROV's in an outside pool at the ATC trying to retrieve as many items on the pool bottom as possible. Teams had "Five Minutes to Win It!"

Marine Engineering and Design students John B., Taylor B., and Dontre H. stole the competition retrieving crabs as they strategically maneuvered the bottom of the pool earning 15 points in the "Five Minutes to win it Challenge."

Engineering Technology students will also participate in the competition late spring. This project is the result of a Virginia Beach Education foundation grant.



Modeling and Simulation (M & S) students created animated models and movies of the preparation before the event. Pictured above is an animation by Jack M., M & S student.



Marine Engineering and Design students: John B., Taylor B., and Dontre H.



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Engineering Students Attend ODU's Fourth Annual Ship Building and Repair Day (SBRD)



The ATC Modeling and Simulation, Marine Engineering and Design, and the Engineering Technology programs visited SBRD on March 17, 2011. Students toured Colonna's and BAE shipyards to gain insight into this interesting career field. Students then participated in a number of hand-on activities at ODU ranging from sheet metal assembly to a 3D program demonstrating ship construction.

Engineering Technology students: Jamey R. and Alan Swack participate in an electrical wiring demonstration. This activity is similar to their work in class.

CLUBS/AWARDS

Advanced Technology Center Students Earn Over 50 Awards in Nine Days!

March was a spectacular month for ATC students as they earned 55 awards in four different organizational competitions in just nine days. The technical competitions included DECA, Old Dominion University/WHRO Great Computer Challenge, SkillsUSA, and Future Business Leaders of America (FBLA). The diverse state and district level organizational competitions challenged students to succeed in their technical, marketing, and business skills.



DECA

Advanced Marketing Management Students at Town Center Placed Second!

Katrina A. and Samantha H. placed second out of 50 teams in the DECA Marketing Communications Team Decision Making Event on March 5, 2011 at Chrysler Hall. This team advanced to Orlando for the national competition in the spring.

Students in four classes (Architectural Design, Cisco Networking Academy, Digital Design, and Modeling and Simulation) placed in 22 areas in the district SkillsUSA competitions in Virginia Beach on March 14, 2011. They placed first in 13 competitions, second in six competitions and third in two competitions and one in fourth place. The events ranged from Architectural Drafting to Extemporaneous Speaking, Advertising Design and much much more.



Morning students pictured left to right: Chelsea E., Katherine T., Amanda E., Candace B., Digital Design students; Dylan G. and Brandon C., Modeling and Simulation students; Christian H., Digital Design student; Joe A., Modeling and Simulation student, and Daniel P., Engineering Design student.



Afternoon students pictured left to right: Trenton M., Nathaniel T., Nicolas D., Architectural Design students; Michael M., Cisco student; Erica H., Goldielyn L., Alana C., Olivia G., Kathryn B., Sharifa R., Nicholas W., Digital Design students; William C., Cisco student; Tarnisha H., Digital Design student; Marcus B., Angelo C., Michael S., Architectural Design students.

FBLA Wins Big!

The Advanced Internet Web Professional (AIWP), Computer Networking Administration (CNA) and Software and Game Development students took home 23 trophies for 18 events in the Future Business Leaders of America Spring Regional Conference held at Booker T. Washington on March 12th. These students earned 45% of all of the Virginia Beach High Schools first place awards. The bling was blinding on the bus coming home!



Pictured front row left to right: Kathy Sargent, AIWP instructor; Casey M., AIWP student; Christopher J., CNA student; Nicole A., Karen B., Issac K., and Ben C., AIWP students
Second row left to right: Steven J., Advanced Software and Game Development student; Zach B., Andrew A., CNA students; Darius J., Charles W., Advanced Software and Game Development students; and Linda Lavender, CNA instructor.

MORE COMPETITIONS...

Great Computer Challenge (SBRD)

The ODU/WHRO Great Computer Challenge took place on Saturday, March 5, 2011. The ATC placed first in Computer Aided Drafting and Design (CADD), Web Design, Graphic Design, Integrated Computer Applications, and Programming-Visual Basic; Second in Video Editing and; Third in Integrated Computer Applications, and Music Composition.

First Place Graphic Arts

First Place Computer Aided Drafting and Design (CADD)



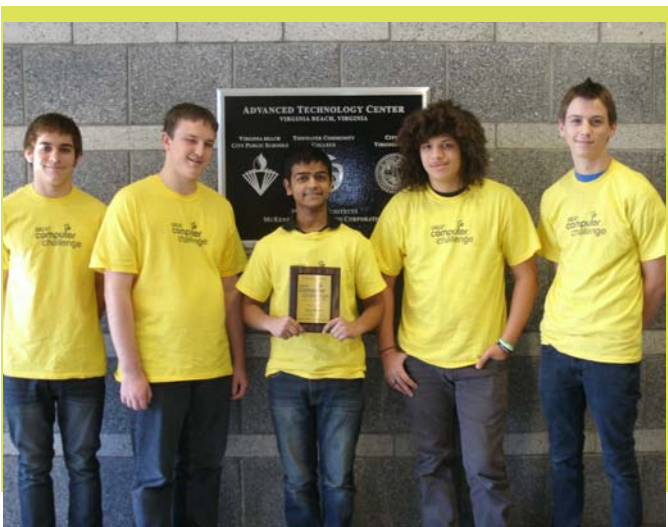
Mr. Troxell's Digital Design II students: Goldie L., Nicholas W., Erica H., Alan C., and Jason B..



Mr. Reich's Engineering Design students: Matt C., Mark M., Dillon H.; Jonathan S. and Ottis B.

First Place Programming - Visual Basic

Second Place Video Editing



Mrs. Randall's Software and Game Development students: Alexander C., Brandon M., Axitkumar P., Ethan M., and John L.



Mr. Troxell's Digital Design students: Kathryn B., Kerran B., Sarah B. and Tarnisha H. not pictured.

Internet Web Professional Students Gain a First Place Trophy in Web Design and a Lot of Fun

The Internet Web Professional students had a great time working together at the Great Computer Challenge. Taking first place in Web Design at the competition, the students from both classes gathered in the garden at the ODU Webb Center for a celebratory “photo shoot”.



Pictured left to right: Quantez S., Robert P., Nicole A., Khadijah B., Dejuan M., Lucy L., Casey M., Elise O., Ricky S., and Elly C.

Computer Network Administration Students Placed First and Third in Integrated Computer Applications



Pictured left to right: Shad C., Jeremy S., Ryan G., Christopher J., Geoff H., Vanessa G., Andrew A., Zach B., Jake L., and Christopher H.



Left to right: Jordan L., first place; Haley S., third place; and Michael W., placed second.

Digital Design Students Take 1st, 2nd, and 3rd Places in State Competition

Three students placed first, second, and third in the Virginia Aviation Poster Contest. These students competed against 99 applicants in the state. This is the second year in a row three Digital Design students placed in all areas.



WORK BASED EXPERIENCES

NEXCOM



NEXCOM has been a strong partner of the ATC for many years. This year the command extended two work based experiences to two ATC Computer Network Administration (CNA)/A+ Computer Repair students. The students were responsible for deploying and imaging 600 – 700 computers.

Rear Admiral (Select) Glenn C. Robillard, SC, USN, Commander, Navy Exchange Service Command, Shad C. and Steven J., CNA students, and Mr. Kean Westcott, Senior Vice President, Command Information Officer, Navy Exchange Service Command

Clark Nexsen

Michael S. was mentored by Sue Kriebel, Civil Engineer. Michael experienced a greater exposure to civil engineering, became familiar with related civil software, participated in site visits and met engineers from cross disciplines. Michael plans to major in civil engineering in college.



Keith Dickinson, Mechanical Engineer at Clark Nexsen, mentored Angelo C., Architectural Design student. Angelo gained experience in AutoCAD and Revit MED. Due to Angelo's interest in music...he learned about acoustical design and sound blocking levels. He worked on putting together an operations manual and also gained some experience in plumbing design. Keith will continue his education after high school.



Rocket Direct

Greg Olson, Rocket Direct, Director of Information Technology Services mentored Nicholas W., Digital Design student.

Nicholas was responsible for preparing some prepress work, graphic design and mailer preparation.

Nicholas plans to continue his education in graphic arts at James Madison University.



Counselors Take a Field Trip to the ATC



On Feb. 18th twelve middle and high school counselors attended a counselor breakfast, tour of the ATC and field trip to Marketing Management @ Town Center. Counselors had a chance to see some of their students, renew their friendships with our teachers, and experience the classes from a student perspective.

Pictured in the Engineering Technology lab left to right first row: Joann Edwards, Corporate Landing Middle School; Victoria Lang, Kellam High School; Second row: Maria Lapetina, Lynnhaven Middle School; Jennifer Esposito, Kellam High School; Elaine Benwitz, Salem High School; Sheila Gorham, Princess Anne High School; Ann Marie Garvey, ATC; Cathy Delaney, Princess Anne High School; Eric Shelstad, Tallwood High School; School; third row: Andy Miller, First Colonial High School; Towana Hunter, Landstown High School; Delna Antaki, Salem High School; and Juliana Caruso, Kempsville Middle School.

ATC Middle School Career Day Competition



Pictured left to right: Brandon M. Engineering Technology student, Alison L. and Shakeira S., 8th grade Plaza Middle school AVID students. Middle school students are learning about pneumatics.

The ATC provided a Middle School Career Day to almost 100 8th grade Advancement via Individual Determination (AVID) students at Landstown, Plaza, and Kempsville Middle Schools on Friday, February 25th. Students chose a career field such as: Marketing Director, Home Internet Technician, Engineering Technician, or Web Developer/Graphic Designer and participated in hands-on activities which included:

- Creating an advertising print ad and planning how to sell a product
- Take art to the Web
- Setting up and troubleshooting home Internet access and wireless cameras
- Modeling a 3d house using SketchUp software
- Programming robots
- Working in graphics programs, – such as Photoshop
- Working in AutoCAD

Michael D. Taylor, Director
Ann Marie C. Garvey, Editor and
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Produced by the Advanced Technology Center and
Sarah B. Digital Design Student and Graphic Designer