

IMAGINE. INNOVATE. CREATE.

ATC NEWS

| VOLUME 2 | ISSUE 4 | JUNE 2010 |



Are you a rising 9th grader, or the parent of one who likes science, technology, engineering, or math (STEM)? Are you wondering how to make the most of the summer? If so, you may want to consider participation in the ATC's Summer Camp.

Campers will participate in hands-on activities related to: Computer Repair, Marketing, Networking, Telecommunications, 3-D Modeling, Robotics, Engineering, team building, and more. This year's camp takes place August 16th - 20th. The fee is a very reasonable \$125.00, but space is limited, so if you are interested in participation in the camp please visit <http://www.vbatc.com/pdfs/ATC-SummerCampApp-10.pdf> to download an application, or call 648-5800 ext. 0.

If you're a current high school student who might be interested in one of our outstanding programs, or know of someone who might be; we still have limited space available in a number of our programs for next September. Consider visiting our website at www.imagineinnovatecreate.com to learn more about the outstanding educational opportunities available at the Advanced Technology Center, and to download an application for 2010 - 2011 enrollment. We look forward to hearing from you soon!

Sincerely,

Michael D. Taylor
Director
mdtaylor@vbschools.com



THE ADVANCED TECHNOLOGY CENTER IS ENROLLING NOW!

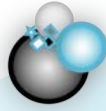
VISIT

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



NATIONAL TECHNICAL HONOR SOCIETY



The National Technical Honor Society chapter of the Advanced Technology Center is pleased to announce the following students have been selected for membership in this prestigious organization. These students exemplify the best in many values including critical workplace values and provide a strong positive image for career and technical education. Please join us in congratulating the following members:

STUDENT

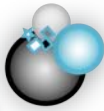
Terence B.
Kerran B.
Brandon B.
Andrew C.
Brianna D.
Sheryl D.
Jereme H.
D'Andria G.
Corey G.
Tarnisha H.
Kelly N.
Jake L.
Godielyn L.
Joseph P.
Nathaniel T.
Jeff T.

CLASS

Computer Networking
Digital Design
Telecommunications
Engineering Technology
Hotel Operations
Computer Networking
Computer Networking
Hotel Operations
Software & Game Development
Digital Design
Internet Web Professional
Computer Networking
Digital Design
Advanced Software Game & Development
CADD
Engineering Technology

NEIGHBORHOOD HIGH SCHOOL

Bayside High School
First Colonial High School
Kempsville High School
Kempsville High School
Kellam High School
Kempsville High School
Green Run High School
Landstown High School
Landstown High School
Tallwood High School
Ocean Lakes High School
Kempsville High School
Salem High School
Kempsville High School
Kellam High School
Kempsville High School



SKILLS USA DISTRICT WINNERS



The SkillsUSA District competition was held in Norfolk and Virginia Beach, VA March, 2010. ATC students placed in over 60 areas.



2010 VA. SkillsUSA District 1 Secondary Only Competitions



Internetworking:
Andrew D.
Cisco Student



Essay and more...:
Basilisa R.
Marine Engineering and Design Student



Extemporaneous Writing:
Lindsey N.
Digital Design Student



Extemporaneous Speaking:
Nick W.
Digital Design Student

Advertising and Design - First: Debra M., Second: Robert John G., Third: Alexis A., Fourth: Samantha B.

Architectural Drafting - First: Collin S., Second: Stefan I., Third: Sheena Fe A., Fourth: Todd S.

Internetworking - First: Andrew D., Second: Colin M.

Telecommunications/Cabling - First: Jerryd C., Second: Brandon B., Third: Grover M.

Technical Drafting - First: Ladd R., Second: Trenton M., Third: Jake J., Fourth: Bridgette S., Fifth: Jack Y.

3D Visualization - First: Connie O., Richard Z., Second: Carl B., Dylan B.

Leadership Competition - Second: Michael S., Trenton M., Third: Olivia G.

Occupational Display - Second: Jake J., Third: Alana C.

Customer Service - Third: Jonah A., Fourth: Raynesha H., Fifth: Terrance L.

Job Interview - First: Tarnisha H., Christian V., Third: Tyler J., Fifth: Sheena Fe A.

Extemporaneous Speaking - First: Nick W., Second: Jason B., Third: Katie B.

Extemporaneous Writing - First: Lindsey N., Second: Erica H.,

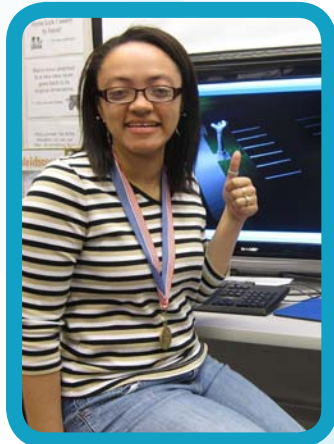
Spelling - Second: Basilisa R.

Related Technical Math - First: Jake J., Second: Jordon S., Third: Trenton M., Jake J., Alana C.

Current Events - First: Jordan S., Second: Michael J.

Essay - First: Basilisa R., Jordon S., Stefan I., Andrew M., William P., Second: Stacia P., Basilisa R., Wendy D., Alana C., Third: Largon G., Christopher C., Jaaron W., Michael B.

Quiz Bowl Team - First: Tyler H., Second: Michael M., Third: Tyler J.



3D Visualization:
Connie O. and Richard Z. (not pictured)
Modeling and Simulation Students



Cabling:
Jerryd C.
Telecommunications Student



Technical Drafting:
Ladd R.
CADD I Student

Technical Math and more...:
Jake J.
CADD I Student

SKILLSUSA STATE LEADERSHIP CONFERENCE

The 2010 SkillsUSA State Leadership Conference was held in Hampton, VA on April 23rd & 24th. The following first place state winners from the Advanced Technology Center will be advancing to the SkillsUSA National Leadership Competitions this June in Kansas City, Mo.



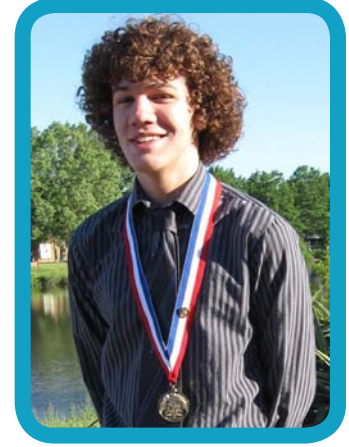
State Pin:
Kerran B.
Digital Design Student



Internetworking:
Andrew D.
Cisco Student



Advertising Design:
Lindsey N.
Digital Design Student



Technical Drafting:
Ladd R.
CADD Student

NATIONAL FINANCIAL LITERACY CHALLENGE



Computer Network Administration (CNA), Modeling and Simulation, and Classroom on the Mall students participated in the National Financial Literacy Challenge. This online test measured their understanding about personal financial issues. The current national average on the challenge is at 70%, CNA I average 79%. There were some very high scores and the top 20% of students will be recognized when the challenge ends.

In addition, students in the Hotel Operations/Management classes also participated in the National Financial Literacy Challenge. The following three students placed in the top 20th percentile nationwide: Brianna D., Aaron J., and Jonathan T.

FBLA DISTRICT WINNERS



Tyler B. & Corey A. both Computer Network Administration students took first place at the State FBLA competition in Reston, Virginia. Tyler placed first in Cyber Security and Corey placed first in Networking Concepts.

First ever ATC participation in FBLA competitions brought some tremendous results to the ATC, and particularly both Computer Networking Administration (CNA) classes. CNA took two first places (Cyber Security & Networking Concepts), several second places (Business Presentations – Vanessa G. & Jake L. from this class), Personal Finance – (Chris J. – CNA I), Marketing – (Jalen G., CNA I), Network Design, Technology Concepts and Help Desk. The ATC also scored with a third place in Spreadsheets (Sheryl D.) and Computer Problem Solving. Many of the students qualified for the State level. These students traveled to Reston, VA in mid-April to compete against students from around the state of Virginia.

The ATC FBLA sponsored a trip to Washington DC on May 28th. We scheduled a trip to the Capital with a guided tour, and explored some museums and memorials.

ATC PLACED AT THE GREAT COMPUTER CHALLENGE



Joey M. and Corey A. (Computer Network Administration II students) placed first in Desktop Presentations at the Great Computer Challenge.

Eight teams of Advanced Technology Center students from the following classes: Computer Network Administration, Digital Design, Advanced Internet Web Professional, Advanced Software and Game Development, and Marine Engineering and Design placed in eight areas (Integrated Applications, Visual Basic, Scientific Programming, Computer Aided Drafting and Design, Desktop Publishing and Web Design) at the Great Computer Challenge, March, 2010 at Old Dominion University. This is the sixth year that the ATC has participated in the Great Computer Challenge and the sixth year the student teams placed.

INFORMATION TECHNOLOGY

DIGITAL DESIGN STUDENTS WIN STATE AVIATION POSTER CONTEST



First: Katie B.
Second: Olivia G.
Third: Holly S.

The students are now competing with their posters on a national level.

INTERNET WEB PROFESSIONAL CLASS GAINS REAL WORLD TIPS ABOUT THE FIELD



Jason Hall, City of Virginia Beach Programmer/Analyst III Web Master receives a certificate of appreciation from Anjanette Hendricks, Internet Web Professional instructor

In March, Jason Hall, Virginia Beach's very own Web Master came to visit the Internet Web Professional students at the ATC, to give them advice about working with the Web and what is required to be a Web professional:

- Work hard and study hard!
- Always plan your work and communicate effectively with your team.
- Be prepared for the big salary, big house and big pool!

Being a Web professional takes a great deal of studying, co-operation and practice, practice, and more practice! So work hard now, then sit back and chill by the pool later!!!

ENGINEERING & MANUFACTURING

COMPUTER AIDED DRAFTING DESIGN CLASS AWARDED GRANT FOR GREEN HOUSE COMPETITION



Congratulations to the Advanced Technology Center which was recently awarded a \$13,500.00 grant from 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 grant has funded the ATC Green House competition for Computer Aided Drafting and Design II students. The money has been used to purchase architectural resource materials that support sustainability, equipment, and awards. The competition will take place in late spring at the ATC. Each student will gain real world experience as she or he researches, learns and applies principles of sustainability within the engineering/architectural field. Participants designed a house utilizing architectural software and applied the latest principles in green technology. Students experienced hands-on technical activities in sustainability and gained exposure to the green career opportunities in the STEM (Science Technology Engineering and Math) field. Judges included representatives from Opportunity Inc. and Leadership in Energy and Environmental Design (LEED) certified architects and engineers.

MARINE ENGINEERING AND DESIGN TEAM WON MOST INNOVATIVE DESIGN PRESENTATION



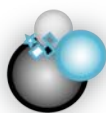
Basilisa R., Justin V., Patrick P., Steve G., Marine Engineering and Design students and James Reich, instructor.

Northrop Grumman sponsored its third annual High School Boat Competition March 2010. The competition included students throughout Virginia and as far away as New York. Our Marine Engineering and Design team, "Super Smooth Sailing/ATC," won, "Most Innovative Design Presentation." The dedication and creativity resulted in the boat's original design. The joint effort, animation, and elaborate ideas were all pooled together representing "team spirit," one of the main qualities that Northrop Grumman noted as they chose our boat presentation.

ENGINEERING TECHNOLOGY



Students in the ATC Engineering Department are creating unique and individual PowerPoint presentations to inform others of current and future issues arising in Sustainability. Sustainability involves the capacity of a resource being renewed with minimal long-term effect on the environment. Topics being discussed include but are not limited to Oceans, Agriculture, Manufacturing, Nuclear Power, and Military Protection.

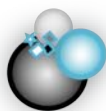


MODELING AND SIMULATION



ATC's Modeling and Simulation class and the Advanced Marketing Entrepreneurship class from Landstown High School collaborated in the Junior Achievement High School Program Project funded by SEVAPORT. The classes have formed their company (New Venture), elected corporate officers and proceeded on the development of their virtual CO2 scrubber street light device. Throughout this program students learned what it takes to run their own business to include developing a business plan.

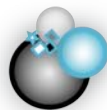
MARKETING EDUCATION



CLASSROOM ON THE MALL (COM) STUDENTS VISIT THE BIG APPLE



Classroom on the Mall students headed to New York City to explore the behind the scenes look at advertising agencies, Wall Street and major retailers in the city! Pictured are Hannah J., Samantha H., (COM) students and Kim Creamer, COM instructor.



I GOT THE JOB!



Jonathan T. congratulates Anne Marie J. on her "new" front desk position at the Holiday Inn Executive Center Hotel! Both are Hotel Management students. Jonathan has been employed at the same hotel since August 2009.



NORTHROP GRUMMAN CORPORATION NEWPORT NEWS AND AMSEC LLC NAMED THE ATC MODEL PARTNERS



Representatives from Northrop Grumman and AMSEC LLC met with ATC administrators, teachers and Technical and Career Education representatives August 2008 regarding the partnership.



Leslie Mitchell Gallop, AMSEC LLC Manager Communications and an AMSEC representative completed the set-up and display of an air craft carrier and submarine for Jim Reich's Marine Engineering and Design class and ATC Open House.

"The Advanced Technology Center and Northrop Grumman/AMSEC LLC have benefited greatly from the partnership. The ship building and repair industry requested assistance in developing their workforce. The ATC's response resulted in the creation of the Marine Engineering and Design course with the support of Northrop Grumman and AMSEC LLC. In addition Northrop Grumman has accepted approximately three ATC students into their Apprentice School over the years. Together both partners are working to develop tomorrow's workforce today."

Ann Marie C. Garvey
Assistant Director of Student Programs and Business Development
Partnership Coordinator

OLD DOMINION UNIVERSITY SUMMIT STEM PROGRAM

Summer Experience in **M**EMS Engineering and **T**echnology for High School Scholars
Summer 2010 1-Week Engineering Program Exploring MEMS
(Micro-Electro-Mechanical Systems or Micro-machines)
for High School Sophomores, Juniors and Seniors (GPA Above 3.0; 16 yrs. or older)
at Old Dominion University, Norfolk, Virginia
July 12 - 16, 2010

Explore MEMS Devices Through:

- Introduction to the World of Engineering
- Exploration of MEMS Manufacturing Technologies
- Popular Applications of MEMS Devices – Wii Motion Sensors, Automotive Airbags, and More
- Interactive MEMS Activities
- MEMS Design Project
- Tour
- Certificates of Achievement Awarded

To obtain an application package to participate in this free summer STEM program, please email:
Dr. Greg Selby at: gselby@odu.edu Application Deadline: June 14, 2010



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