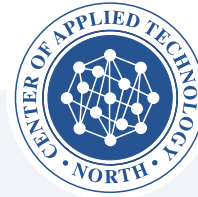


TechTimes

Winter 2011



From the Principal . . .

The purpose of this message is to draw your attention to one of the best educational options available in the Anne Arundel County Public School (AACPS) system; that being, the Center of Applied Technology North (CAT-North). Imagine your son/daughter's career potential if they complete a Maryland State Department of Education certified technical program in addition to the requirements for a high school diploma. Such a diversified approach to schooling will expand post-graduate options and prove to be a wise decision about your daughter/son's future. It will open the door to a two/ four year degree at a university or technical college while also providing an entry level qualification to a skilled position in the workforce. In my conversations with many adults, this type of choice is often characterized as an "opportunity missed" because of the pressure to focus solely on the college degree option.

With this notion in mind, I am proud to say that CAT-North remains the best "value-added" option available during your child's high school experience. It has the potential to get your child moving in a direction that will improve his/her ability to enter the workforce and/or continue their education. The staff of the Center of Applied Technology North is dedicated to providing a diverse group of Anne Arundel County Public School system students with access to rigorous Career and Technical Education programs. We pledge that our students will acquire the entry level technical skills, certifications, and professional work ethic needed to make them marketable to the business community and prepared to continue their education after graduating from high school.

I encourage you to find out more about our 24 career programs by visiting our website: www.aacps.org/aacps/CATN/index.html or by calling us to make arrangements to visit CAT-North to talk with one of our counselors.


SPECIAL NOTE: Please be aware that the Level I portion of our application process has changed due to CAT-North's inclusion in the AACPS Magnet School Program. I have included important information regarding the change in this list below:

- Career Exploration (9th/10th)– the process has not changed; the paper application is available at CAT-North and home high school Offices of School Counseling or at the CAT-North website (address listed above).
- **LEVEL I**– the process *has changed* to an on-line application. To gain access to this new electronic application, use the following web address: https://magnet.aacps.org/webapps/aacps_magnet/LogIn.aspx
- Level II/III – the process has not changed; student declaration of intention is available through the CAT-North Office of School Counseling.

If you should experience any difficulty completing the on-line application, please contact our Office of School Counseling with questions or concerns. The phone number is 410-969-3100 – ask to speak to Johanna Pionke, Carrie Ruffo-Miller or Lauren Smith.

In closing, I want to thank all of our parents and business partners for their continued commitment and support for our programs. Through a team effort we can ensure that all AACPS students that attend CAT-North are the recipients of the absolute best career-oriented technical education in Maryland.

Sincerely,


Dan Schaffhauser, Principal

Center of Applied Technology North

800 Stevenson Road
Severn, MD 21144
410-969-3100

www.aacps.org/aacps/CATN/index.html
Anne Arundel County Public Schools

What's Inside

- Open House Photos '10– Page 2
Harvest for the Hungry
- SkillsUSA Chapter Calendar– Page 3
SkillsUSA Officers 2010-2011
SkillsUSA Leadership Conference
- Dates to Remember– Page 4
NTHS Mitten and Hat Collection
Ambassadors
Program Pathways - AACC
- Alumni Successes– Page 5
- Partnership in Green Building– Page 6
3R's - Maryland Green Certification
- The American Chestnut Tree– Page 7
Nat'l ServSafe Certifications
New Staff Members
- Supt.'s Teen Advisory Group– Page 8
Advertisements

Our Mission at CATN

The Center of Applied Technology North is a public educational facility dedicated to providing the students with professional work ethics in addition to technical and academic skills needed for community involvement, career opportunities and continuing education.

The **TechTimes** Newsletter

is Printed by:

**The Level Two
Printing Technologies Class**



CATN's
SkillsUSA 2010
Harvest for the
Hungry Canned
Food Drive



Thank you for making this year's Harvest for the Hungry canned food drive a success!! Over 785 pounds of canned goods were collected and donated to the non-profit A.A.Co. Food & Resource Bank, Inc., by students and staff.

The winner of the AM pizza party was **Ms. Daywalt's** Computer Networking Technology Class and the winner of the PM pizza party was **Ms. Badwak's** Cosmetology II Class. Congratulations to these classes.

Thanks to the generosity of CATN students and staff a happy holiday will be enjoyed by others.

What is SkillsUSA?

SkillsUSA is a national organization serving over 300,000 high school and college students and professional members. SkillsUSA is the only organization whose purpose is to serve students preparing for technical, skilled, and service careers. Their mission is to ensure that its student members become world-class workers and responsible American citizens.



February

- ◆ Chapter Meeting
- ◆ Regional Competition

March

- ◆ Chapter Meeting
- ◆ State Competition

April

- ◆ Sale of Joe Corbi Pizza Kits
- ◆ SkillsUSA Appreciation Banquet

June

- ◆ National Competition

2010 SKILLSUSA LEADERSHIP CONFERENCE

SkillsUSA, the only organization for students in technical, skilled and service careers, held its annual Leadership Conference on November 4 and 5 in Ocean City, MD. The Center of Applied Technology North sent twelve SkillsUSA officers and three advisors to this event.

The goal of the Leadership Conference is to encourage and guide leadership development in each of the students attending the conference. The students were required to attend seminars and learn the many facets

OFFICERS 2010-2011

A.M. SkillsUSA Officers

President:

Ramel Douglas

Ms. Daywalt's *Computer Networking Class*

Vice President:

Kaylin Vanhook

Ms. Crowell's *Nursing Assistant Class*

Treasurer:

Haley Loboy

Ms. Crowell's *Nursing Assistant Class*

Secretary:

Alisha Green

Ms. DeRose-Bargar's *Nursing Assistant Class*

Reporter:

Erran Carey

Ms. Daywalt's *Computer Networking Class*

Parliamentarian:

Emilio Roman

Ms. Mearman's *Network/Systems Adm. Class*

P.M. SkillsUSA Officers

President:

Steve Collignon

Mr. McNamara's *Plumbing Class*

Vice President:

Brittany Coberly

Ms. Marr's *Medical Assistant Class*

Treasurer:

Brandi Colombo

Ms. Montagnino's *Medical Assistant Class*

Secretary:

Alexis Takahashi

Ms. Marr's *Medical Assistant Class*

Reporter:

Silvia Gonzalez

Mr. Davis' *Culinary Arts Class*

Parliamentarian:

Christopher Bussey

Mr. Davis' *Culinary Arts Class*

of becoming a knowledgeable SkillsUSA leader. During the two days spent at the conference, the student leaders worked towards obtaining their SkillsUSA Maryland Statesman Award. In order to obtain this award, the students were required to answer many questions concerning SkillsUSA.

The following SkillsUSA Officers attending the SkillsUSA Leadership Conference qualified and received their Maryland Statesman Award: **Christopher Bussey** (Culinary Arts); **Erran Carey** (Com-

puter Networking Technology); **Brittany Coberly** (Medical Assistant); **Steve Collignon** (Plumbing); **Brandi Colombo** (Medical Assistant); **Ramel Douglas** (Computer Networking Technology); **Silvia Gonzalez** (Culinary Arts); **Alisha Green** (Nursing Assistant); **Haley Loboy** (Nursing Assistant); **Emilio Roman** (Network Systems Administration); **Alexis Takahashi** (Medical Assistant); and **Kaylin Vanhook** (Nursing Assistant).

Congratulations to these students!



Dates to Remember

MARCH

- 4 Interims distributed
- 31 Schools close 2 hours early

APRIL

- 1 Beginning of 4th marking period
- 4-8 High School Assessment Tests (HSA)
- 15 Report cards distributed
- 18-25 Schools **closed** for students
Spring Holiday

MAY

- 13 Interims distributed
- 16-19 High School Assessment Tests (HSA)
- 27 Last day for graduating seniors
- 30 Schools **closed** for students -
Memorial Day

JUNE

- 9 CATN semester exams
- 10 & 13-15 Schools close 2 hours early -
High School Exams
- 15 Last day for students

For more details visit
this website www.aacps.org

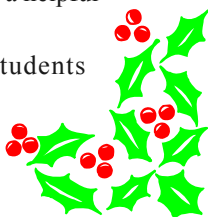


National Technical Honor Society Sponsors Mitten and Hat Collection

National Technical Honor Society (NTHS) students have been providing mittens and hats to NCEON and Sarah's House since its induction at CAT-North eight years ago.

NTHS is an organization that recognizes students who are required to maintain a 3.5 overall GPA and a 3.7 technical education GPA. There are seven attributes of membership. The third attribute is service which requires the NTHS students to provide a helpful and useful act.

Thank you students
for giving back to
the community.



CATN Ambassadors



The Ambassadors of CATN spread more than good will. These twenty-seven students who have been trained in public relations are called upon frequently to extend to others the messages of career awareness and preparedness, and the benefits of dual completion.

The criteria for being an Ambassador includes being of good character and being able to compare favorably to a list of thirteen competencies that attest to the student's abilities to speak well about their career and technology educational experiences.

Under the leadership of **Mrs. Johanna Pionke**, School Counselor at CATN, the students who are recommended by their teachers talk with others at various school community outreach events and perform a host of other services in the name of positive public relations.

To date, the CATN Ambassadors have spoken to a myriad of guests. They began at the 2010 Open House where they politely greeted parents/guardians and gave tours of

their program areas. They have led guided tours throughout the building for visitors to our school. They have had the opportunity to assist with the CATN Eighth Grade Presentations, speaking to hundreds of students at middle schools in the county. In addition, the Ambassadors assisted in conducting a successful toy drive for the Toys for Tots Program. The Ambassadors will continue to represent their career areas and CATN during a variety of spring events.

The CATN Ambassadors for the 2010-2011 school year are: **Alonzo Abraham, Diondra Addison, Jose Andujar Canales, Alaina Aragon, Jade Brandon, Nijal Cash, Amber Chaney, Paul Cobb, Nick Collison, Wesley Foster, Morgan Gates, Ken Jones, Jake Kolodiej, Heather Kucha, Lauran LeBon, Zachary LeDoux, Simone Mathew, Juan Moreno, Mary Plowman, Asia Powell, Renee Sanders, Oliver Snyder, Taylor Solem, Alexandra Thomas, and Brian Wood** as well as **Alisa Frankland** and **Arianna Leach** who are returning Ambassadors serving as mentors.



Program Pathways Offer Guidelines When Registering for Next Year's Courses at AACC

As students prepare to register for next year courses, check out Program Pathways at www.aacc.edu/programpathways. Anne Arundel Community College (AACC) and Anne Arundel County Public Schools (AACPS) have partnered to provide students with academic Program Pathways that present guidelines for course selection. High school students are offered the opportunity to

earn AACC credit for successfully completing specific high school Program Pathways in areas including business, management and finance; engineering, mechanical and information technologies; health, environmental and life sciences; and human services.

For further information, visit the Program Pathways web site at www.aacc.edu/programpathways or contact Mary Garner, mhgarner@aacc.edu -- 410-777-2891.

Alumni Successes

Kyhry Taylor, a 2008-2009 CATN graduate, was featured in the AIGA magazine, a publication for professional design. He is currently a first year student of Graphic Design at Virginia Commonwealth University.

Mr. Taylor recently described his journey. "I pushed myself to grow artistically by enrolling in several design related college courses while attending high school. Although I took many design courses, enrollment in the two-year graphic design program at the Center of Applied Technology North was where I first discovered my ability for designing with type. Successfully completing the Center of Applied Technology North graphic design program (Computerized Desktop Publishing) inspired me to learn more about design, especially typographic design."

He continues: "Independently researching the power of color, type and almost every other aspect of design eventually influenced my decision to apply to the Maryland Institute College of Art pre-college program and Anne Arundel Community College jump start program. After taking several design courses, I then set out to find real-world experience."

In the distant future when he is established in his field, Mr. Taylor intends to give back; it was difficult to find an internship in high school. In the future, he will offer design internships that will foster students' passion and commitment to creativity.

Mr. Taylor states that he wants his work to make a difference. "Over the past two years, I have volunteered my design services to non-profit organizations and small businesses to raise awareness about AIDS, teen suicide and teen pregnancy. Although I've helped encourage social change through my creativity, there is still more to accomplish. That said, I will continue my career path into the 21st century as a green designer who advocates for minorities and social issues."



ANNE ARUNDEL
COUNTY PUBLIC SCHOOLS

The Anne Arundel County Public School System does not discriminate on the basis of race, color, sex, national origin, religion, age, disability, sexual orientation or familial status in matters affecting employment or in providing access to programs. Questions regarding non-discrimination should be directed to Mr. Leslie N. Stanton, Specialist in Human Relations, Anne Arundel County Public Schools, 2644 Riva Road, Annapolis, Maryland 21401; telephone 410-222-5318; (TDD) 410-222-5500.

Christina Ferry, a former Printing Technologies student at CATN, won the State SkillsUSA Silver medal in her junior year. Then as a senior she won the Gold medal. Along with that, a CATN business partner, Printing and Graphics Association MidAtlantic awarded Christina a Mac laptop computer. Besides her accomplishments at CATN she holds a black belt in karate and has earned a Venture Crew Gold Award.

Ms. Ferry is now a first year student at Anne Arundel Community College. Her hope is to have a career in writing. She is off to a good start by presenting Printing Technologies teacher **Mr. Mike Born** with the following poem:

"Ode to the Print Shop I Had to Leave When I Graduated"

Sweetly smelling paper
fresh off the pallet, delivered by truck--
white and white and white
and occasionally black or blue
or yellow or green or orange--
fresh to measure, to cut, to fold,
to mark up, to mar the whiteness of it
with black or blue or green or red--
whatever color you like the best, really,
or whichever one you need--ink.

Pliable ink--whether fresh out of the can
or down on its last legs--
shoveled out by knives,
melting around them
and into the space left behind;
this is a liquid that will end up
everywhere, like it or not,
on machines, on the floor, on the people:
under nails and over fingers, on arms,
bleeding into fabrics, into skin--
succumbing only to blanket wash
wafting the odor of fruit.

And the globs of grease hanging
off every screw, the oil dripping
off chains--the ink stains and staple bits
yet to be cleaned off the floor;
lasers burning designs onto plastic sheets;
hole punchers for all your hole punching needs
whether two holes or three holes or fifteen;
paste pellets--tiny eggs of glue to melt down;
leather shoes to protect your feet;
signatures to fold and fold and fold.

And the math that was not math and is now math
with production costs and press speed variables,
parent and child sheets, in different sizes,
ink costs by percent coverage, and
the novices, all of us, all of us
except the teacher who put up with
questions and late nights and writing
tests, grading papers, grading performances,
when there were jobs to do, to start, to
finish, problems to fix, people to talk to.

Partnership in Green Building



It's what people in the education business call a 'teachable moment'. In the case of CATN's partnership with Baldwin Homes, there will be many such moments.

When the conversation began between CATN and **Michael Baldwin**, president and owner of Baldwin Homes, Mr. Baldwin was already committed to green building. The Emerson Eco-Model home, built on the Preserve at Severn Run in Gambrills, was a way to showcase the possibilities of that commitment.

With a total of sixty-nine green features, the Emerson, graciously styled with traditional four-square roots, is a working system of green components and products. Not for sale, it stands to serve as a 'green learning center' for area architects, builders,

realtors, homeowners, home buyers, students and anyone ready to see green practices in habitable form.

So now for the teachable moments: many students at CATN are involved in building another 'green' house in the Preserve at Severn Run, gaining first-hand experience with the strategies and products of sustainable construction.

With a nod to the three R's (reduce, reuse, recycle), students in Level II Carpentry cut and built wall panels for the interior of the house with as little waste as possible. Stu-

dents were also treated to two new nail guns by the builder to expedite the process.

Other classes included in the house project are HVAC, Plumbing, Electricity, Drafting/CAD and Environmental Resource Management. Transportation has been arranged so that classes can visit the site during their regularly scheduled class time. All will be able to see the completed house.

Of the many lessons learned from this venture, Mr. Baldwin wants students to take away mindfulness about the carbon footprint: it's better to use local craftsmen and workers and use local products when possible. The shorter the distance that people and supplies have to travel get to your site, the smaller (and less damaging) your carbon footprint is to the environment.

3 R's and More Can Get You Maryland Green

Carbon footprint, LEED Certification, hydrozoning, deconstructing and the 3 R's (reduce, reuse, recycle)—this is just a sample of what could be a vocabulary lesson if you're in one of many classes at CATN today. It's all part of learning to speak the language of the 'green collar' job market.

In addition to the school's partnership with Baldwin Homes, CATN has joined the process of seeking certification as a Maryland Green School. **Mrs. Kathleen Chow**, Instructor of the Environmental Resource Management program, has initiated a round-up of all green practices currently in place at CATN that will evidence the school's readiness to receive the honor.

Several career areas who have already added 'green' instruction are:

- **Drafting/CAD:** Future architects and civil engineers tackle topics including LEED Certification, green building practices in general, and have gone into the field to see them first-hand. Last year's Level II class visited the Chesapeake Bay Foundation's site, the Philip Merrill Center, the first fully green, LEED Certified Platinum building in the world. **Ms. McCarty's** Level II class will also be involved in the Baldwin project, using 'green' blueprints as a guide to incorporate these practices into their own work. Recently, Ms. McCarty also brought Mr. Baldwin to the school as a guest speaker.

- **Carpentry:** Students study and complete a unit that addresses a builder's role in the green environment. A module of study compiled by the National Center

for Construction Education and Research (NCCER), students who complete it get credit with NCCER for having this extra layer of information. Future employers will be able to view this certification online, a welcome addition to any resume.

- **Culinary Arts and Environmental Resource Management:** Students will get an authentic introduction to the 'Food-to-Table' movement. Food waste from Culinary goes to a composter outside the greenhouse; compost is used to fertilize a new crop of greenhouse-grown herbs which when harvested are used in Culinary creations.

- **Printing Technologies:** The Printing program has turned to a soy-based, non-toxic, biodegradable ink. All paper is recycled; all chemical cleaners are now biodegradable, also.

The American Chestnut Tree



Knock on wood---if luck prevails, students in the Environmental Resource Management program at CATN will play a role in reviving an endangered species.

And the species is the American Chestnut tree, being grown now from seedlings adjacent to ERM's greenhouse.

Once known as the 'redwood of the East', the American Chestnut came close to extinction in the late 1930's, when the tree was nearly wiped out by a fungus from Asia called the 'chestnut blight'. As a result, today the American Chestnut rarely reaches a height of 20 feet before succumbing to the still virulent tree disease.

When it was a healthy species, the American Chestnut tree made up at least 20% of the hardwood in Eastern forests. Because of its resistance to rot, chestnut was used for log cabins, furniture and caskets. The chestnut fruit was also an important food and cash crop. The bark and wood were rich in tannic acid which is used in the tanning of leather. The American Chestnut also provided a valuable source of food for wildlife, thus contributing to the health and diversity of the forest ecosystem.



National ServSafe Sanitation Certifications

In November 2010 the following Baking & Pastry and Culinary Arts students passed their National ServSafe Sanitation Certification Exam offered through the National Restaurant Association's Educational Foundation. The students studied a rigorous fifteen-chapter ServSafe textbook to prepare for the exam. The 90-question exam had to be completed with a 75 percent or better grade to receive certification. *Congratulations, students!*



Baking and Pastry: Diondra Addison, Sarah Belt, James Boring, Michael Boryk, Crisonna Bounnak, Kiyah Denbow, Alphonso Gerald, Davon Manigault, Marcus Wallace, Casey Watson, Christina Wunder



Culinary Arts: Christopher Bussey, Silvia Gonzalez, Dylan Groff, Zachary LeDoux, MaKayla McNeill, Taryn Nelson, Nychae Parker, Cameron Reandean, Kyle Walcutt

NEW Staff Members

Ms. Dawn Showalter is our new Health Assistant at CATN. In 2009, she worked as a Health Assistant at Chesapeake High School for School Health Services. This year, before her assignment at CATN, she worked as an on-call substitute as a Health Assistant and Shared Aide. Her other health related experience includes graduating from the Massage Therapy Program and the completion of the First Responders Course at Anne Arundel Community College in 2007. She also worked as an office and retail manager. Dawn and her husband Bryan have been married for twenty-five years and have two children. Her daughter Rebecca, graduated from Old Mill High School last spring and her son Bryan Jr., is currently a senior at Glen Burnie High School. Dawn enjoys camping, hiking, and spending time with her family. She is happy to be working at CATN.



Mrs. Dawn Blake Singer is our new teaching assistant in Support Services. She started in the Anne Arundel County school system in 2003 at Bodkin Elementary School. In 2007, she worked with School Health Services as the Health Assistant at CATN. Prior to working in the public school system, Mrs. Singer worked as a Graphic Technician at the National Security Agency and then stayed home to care for her four children. Dawn resides in Pasadena with her husband Michael, her three daughters, Jessica, 22, Ashley, 15, and Amber, 13. She also has a stepson Mike, 23, and one granddaughter, Karly, one year old. In her spare time she volunteers and enjoys supporting Chesapeake High School Field Hockey, Basketball, and Softball programs. When she is not at a sporting event, Dawn enjoys spending time with her family and friends. She is eager to interact with the dedicated and supportive staff members at CATN and enjoys helping the students obtain their goals.



Superintendent's Teen Advisory Group



Mr. Schaffhauser, principal, chose two students, **Erica Hoehl**, Culinary/Baking & Pastry and **Oliver Snyder**, Masonry to represent the school on the 2010/2011 Superintendent's Teen Advisory Group. The advisory group was created to bring student concerns directly to the Superintendent's attention, provide the opportunity to "student test" emerging initiatives, and link school-based opinions and sentiments to Central Office process and programs. The meetings will be held four times during the school year. At each meeting student members will have the opportunity to share their concerns before discussing the Superintendent's issues and matters of interest.



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