



Student work . . . from the beginning . . .

## Third Career Center House Sold!

The Career Center student-built house is nearing completion and has already been sold for its appraised value of \$174,000. This house, which is located in the Deer Creek subdivision in Hudson, features three bedrooms, two baths, a large laundry room, a large living room with a gas fireplace, a kitchen with custom oak cabinets and built-in computer desk, a large master bedroom with two closets, a patio with cobblestone pavers, a large garage, and a front porch.



. . . through completion!

The students from Residential Construction Technologies, Electrical Technologies, and Industrial Piping Technologies constructed the house from the blueprint to completion. The Furniture/Cabinetmaking students built the custom cabinets, bathroom cabinets, and computer desk.

Instructors Jesse Fox, John Marshbanks, Mike Swanson, Stan Vines, and Mike Winn and their students are currently working on the next lot to build the fourth Career Center house during school year 2006-2007. The Caldwell County Education Foundation provides financial support for this en-

## Students Off to Russia!

Mr. Jesse Fox, Residential Construction Technology instructor at the Career Center, is going to Novgorod, Russia, this summer to help construct a Baptist church there. Novgorod is a city between St. Petersburg and Moscow. It is the oldest city in Russia and also has the oldest church in Russia—St. Sophia's Cathedral.

As Mr. Fox was enthusiastically explaining his trip to his second-year students, three of them became very interested in joining him for the trip. Therefore, Matt King, Matt Phillips, and Chris Russ are now planning to go to Russia from June 25th until July 8th to lend their construction expertise in the building of the Baptist church as well. The students are currently raising the \$2,000 that each needs to participate. On April 11, Sims Country Bar-B-Que is sponsoring a Chicken N' Dumpling fundraiser for this trip. The money raised will be used to purchase bricks and mortar mix. Mr. Fox and his students will join other volunteers from the Dudley Shoals, Granite Falls, and Hudson area. They will be bricking the church as well as completing carpentry work.



St. Sophia's Cathedral

## Fun Facts about Construction

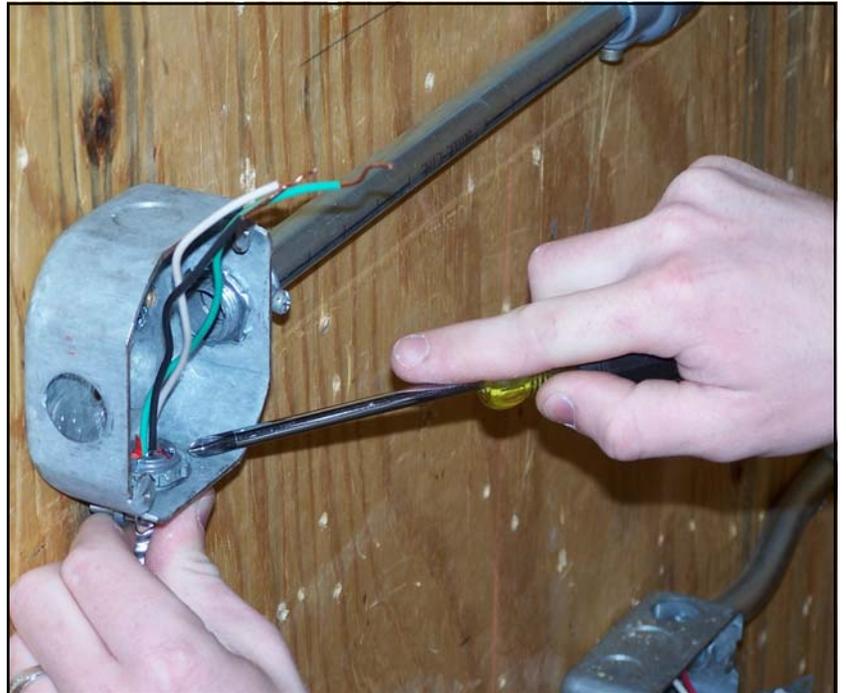
Throughout this newsletter, see how many of the fun facts you can answer correctly! Answers are on page #7 of this newsletter. Question #1: How many housing units were built in the U.S. in 2004?



Our SkillsUSA members are currently preparing for state competition on April 10-12. The students will be traveling to the Joseph Koury Convention Center in Greensboro for this competition. Students who will be competing are listed below. The Career Center hopes to again have many students to compete in the SkillsUSA national competition in Kansas City this summer.

Student Name	Competition Area	Home School
Justin McCrary	Cabinetmaking	SCHS
Joshua Wallace	Cabinetmaking	SCHS
Christopher Coffey	Carpentry	SCHS
Justin Gryder	Carpentry	HHS
Nicholas Kirby	Carpentry	SCHS
Justin Tallent	Carpentry	WCHS
Daniel Woodbury	Carpentry	SCHS
Bradley Bassinger	Computer Maintenance	SCHS
Tyler Coffey	Customer Service	SCHS
Tyler Keller	First Aid—CPR	SCHS
Dustin Atkins	Plumbing	WCHS
Dustin Coffey	Plumbing	SCHS
Joel Coffey	Plumbing	SCHS
John Erskin	Plumbing	HHS
Casey Kincaid	Plumbing	WCHS

Student Name	Competition Area	Home School
Michael Lutz	Plumbing	SCHS
Jordan Spears	Plumbing	WCHS
Bradley Trivette	Plumbing	SCHS
Newland West	Plumbing	HHS
Joshua Bishop	Residential Writing	SCHS
Cody Greene	Residential Writing	HHS
Matt Mabe	Residential Writing	HHS
Donald Price	Residential Writing	SCHS
Kyle Raby	Residential Writing	SCHS
Brandon Shupe	Residential Writing	SCHS
John Teague	Residential Writing	SCHS
Eric Winebarger	Residential Writing	WCHS
Lewis Foust	TeamWorks	HHS
Matt King	TeamWorks	SCHS
Matthew Phillips	TeamWorks	WCHS
Chris Russ	TeamWorks	SCHS



Electrical Technology students refine their skills!

## Technology Updates



The two computer labs in G building, those occupied by Mrs. Ramsey and Mrs. Pennell, are being renovated to accommodate ten more computers. This will increase the capacity in those labs to 25 students. These changes are being made to prepare for the Career Center High School college offerings for the course Introduction to Computers.

Also, with the addition of the four academic teachers, English, social studies, and two math teachers, we are adding six more Smart Technology Rooms to our existing three. Components of a Smart Technology Room include a teacher computer, equipped with a DVD/VCR combination, a document camera, and a video screen.

## Workplace Professionalism Class Tours Lake Hickory Veterinary Hospital

Megan Bentley led the Workplace Professionalism class on a tour of the Lake Hickory Veterinary Hospital on March 15th with the help of Dr. Denise Glander. Megan has been employed with the hospital since September 2005.

Megan started the tour with the reception area and continued throughout the hospital, explaining the examining rooms, pharmacy, surgery areas, and treatment areas. Megan demonstrated how the dentistry program works using a mold made from a dog's mouth. She also explained how x-rays are taken and used by the doctor in determining treatment. The kennel was the last area that Megan took her classmates to visit. The students loved watching the dogs get groomed. They saw where the dogs and cats are boarded for owners that need to go on vacation. Lake Hickory Veterinary Hospital earned an A+ for cleanliness, efficiency, and professionalism!



Megan shows her classmates the mold of the dog's mouth.

## Senior News!



The Career Center Seniors have had a busy February and March.

On February 28th, Mrs. Johnna Coffey, Enrollment Admissions Officer for Caldwell Community College, spoke with Seniors and explained the college handbook, majors, critical dates, etc. Mrs. Coffey provided pertinent information that applied to all colleges.

On March 2nd, Mrs. Diane Henderson, Financial Aid expert from Caldwell Community College, presented information on the many types of scholarships and financial aid available for post-secondary education. Mrs. Henderson also explained the requirements for completing the FAFSA forms. Students were able to collect this information and then meet with Mrs. Henderson individually on Monday, March 13th. Several Senior parents also participated in this workshop.

A special thank you to Mrs. Coffey and Mrs. Henderson for assisting our Seniors with their future post-secondary plans!



## EverGreen Pallet Company

The Electrical Technologies and the Residential Construction classes, led by instructors Stan Vines and Jesse Fox, have been completing several projects off campus. One of the special projects just completed was the construction of a break room for EverGreen Pallet Company.

The Electrical Technologies class was responsible for the electrical portion of this project. The students ran conductors for the fluorescent lights, receptacles, switches, and two air conditioners. First, the students had to trace where the power would be coming from. Once they found where the power was originating, the students installed (roughed in) the fluorescent lights, receptacle boxes, and switch boxes that were requested for the break room. Next, they placed some Electrical Metallic Tubing (EMT) on the exiting walls of the warehouse, and pulled romex for the receptacles, fluorescent lights, and switches. The electrical students coordinated their wiring responsibilities with the construction students to give the carpenters time to install the Oriented Strand Board (OSB) on the walls. After this installation of the OSB, the electrical students could finish installing the fluorescent lights, receptacles, switches, phone jacks, and a 100-amp service panel. Lastly, the students ran power to the service panel so that everything would be functional.

The students were able to see the fruits of their labor when the equipment was turned on and the employees were able to use their new break room. The EverGreen Pallet Company provided a special pizza treat for both classes.

## First-Year Residential Construction Students Get Real-World Experiences

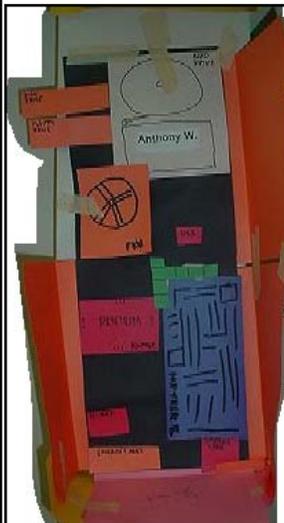
Mr. Mike Winn's first-year students have been building a rear deck and porch for Gail Winebarger from King's Creek Elementary. The rear deck is 8' x 16' with a roof. This allowed the students to gain experience in vinyl siding application, roofing, hip rafter construction, and framing. The students expect to finish this project by the first week in April.



Mr. Jesse Fox's first-year students installed a swing at the Baptist Children's Home in Oak Hill. Mr. Fox's students also installed a storm door for Pat Mitchell, who works in Human Resources for the Education Center.

## A+ Students Build "Paper" Computers!

Students enter the A+ Certification class with different knowledge bases. Due to this, students were asked to brainstorm all the parts they could think of inside a PC tower. Students then exchanged brainstorm lists and had to construct a "paper computer" using ONLY the parts listed. The results showed some VERY interesting computers!



Anthony's masterpiece!



Dustin and his "unique" computer parts!



Mark begins his creation from his new list!

To see these unique computers, please visit Mrs. Ramsey's room in G Building! The students will be glad to discuss the journey through their paper computer creations.

## Did You Know . . .



Construction is searching for young workers to help it build the structures needed to keep America growing and strong. Many workers are needed—in fact, the U.S. Department of Labor estimates that one million new jobs will be added to the construction industry by 2012. Architects and engineers are needed to design what is being built. Project managers oversee the construction. Laborers and skilled craftsmen—carpenters, electricians, plumbers—are needed to do the actual building. The need for new workers is so great that the construction industry itself is working with high schools, community colleges and four-year colleges to encourage students to consider careers in construction.

According to Dr. Richard Judy, chief executive officer at Workforce Associates, Inc., which helps states develop programs to attract workers to construction, "High school and college graduates entering the construction industry can earn very good money." Just look at the average annual salaries for skilled crafts.

Position	Annual Salary
Boilermaker	\$49,220
Brick Mason	\$46,530
Carpenter	\$38,730
Concrete Finisher	\$35,820
Drywall Installer	\$34,010
Electrician	\$41,760
Equipment Operator	\$42,210
Crane Operator	\$39,660
Glazier	\$36,940
Painter	\$33,320
Plumber	\$47,190
Rebar Worker	\$39,610
Steel Worker	\$40,960

The bottom line is that work in the construction industry is interesting, the pay is good, and the job security is definitely there with an opportunity at management positions where you are not necessarily tied to a desk.

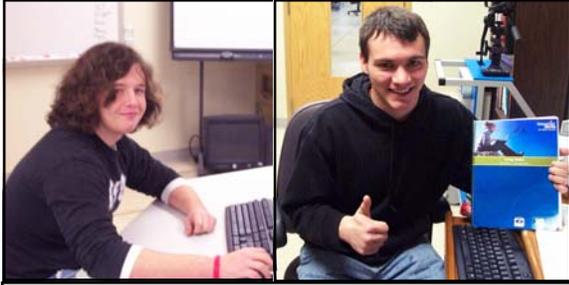
Source: In Demand, The McGraw-Hill Companies, U.S. Department of Labor Employment and Training Administration, Issue 1, 2006.

Question #3: Which building is larger in volume, the Pentagon or the 110-story Sears Tower?

## Certified!!

Dustin Phillips and Brandon Dean, Career Center students in the Web Design/IC3 class, received their National IC3 Certification by passing the three-part test. The three-part test includes: Computing Fundamentals, Key Applications, and Living Online. Dustin and Brandon have completed the A+ class as well and are ready for their A+ Certification Exam. As a result of being IC3 Certified, they are able to receive a 20% discount off of the A+ Exam Fee.

Again, congratulations Dustin and Brandon!!



Brandon and Dustin

## Furniture/Cabinetmaking News

The Furniture/Cabinetmaking students have been completing the oak cabinets for the Career Center house kitchen. The cabinets have been installed and look great! Ricky Walker assembled the doors while Joshua Wallace and Jonathan Holtsclaw shaped the raised panels. Justin McCrary, Jody Stillwell, and Stephen Wright sanded the doors with the wide-belt Timesaver and performed the last router process on the outer edge before installing the hinges and handles and fastening them to the cabinets.

For the past six years, the Furniture/Cabinetmaking students have been building computer desks for Caldwell County labs and classrooms. These are available as roll-around units for easy access and convenience.



## WCHS Donates Equipment to Industrial Piping Program!

West Caldwell High School recently donated hydraulic pumps, pneumatic motors, and industrial blower fans to the Industrial Piping program at the Career Center. These materials allow the students to practice with real-world equipment in all types of piping careers.

A special thank you to West Caldwell High School for their impressive donation!

## Biomedical Health Sciences "Outside the Box"

Mrs. Hatfield and the afternoon AHS II class traveled to Whitnel Elementary School where they received their annual TB Test and observed the skills of professionals in their chosen fields. After touring the Smart Start Health Mobile and speaking with the Caldwell County



Health Department nurses and staff, the class traveled to TBCY in Lenoir for a healthy yogurt treat. The last hour of the class, students continued their studies of Communications in Medicine "outside

## Biomedical Health Sciences and Workplace Professionalism Participate in Collaborative Learning Activities

Mrs. Pennell (Workplace Professionalism) and Mrs. Hatfield (Biomedical Health Sciences) brought their diverse groups together for an interactive communication lesson that identified strategies for implementing the tools for "Anger Management." Due to the increase in violence among teens, this lesson was extremely pertinent. According to the research by the American Psychological Association, "The chance of teen violence will decrease when we give them the ability to arrive at nonviolent solutions to problems by teaching them skills such as:

- Problem-solving
- Stress management
- Assertiveness
- Anger control and



Mrs. Pennell gave instructions for completing the "self-assessment" portion of the activity.

Rich and Tyler "role play" a situation that involves "anger in the workplace."



Question #4: How long does it take to paint the Eiffel Tower?



## Christine Khang Awarded NCSECU College Scholarship

For the second year in a row, the North Carolina State Employees' Credit Union Foundation is funding one \$10,000 scholarship for each high school in North Carolina. These funds are made possible through the contribution to the Foundation by the members of the State Employees' Credit Union. This scholarship, entitled "People Helping People," is given to a Senior who demonstrates leadership, excellence of character, integrity, and community involvement. This student must be accepted to one of the sixteen constituent campuses of the University of North Carolina.

The Caldwell County Career Center is pleased to announce that Christine Khang, a Biomedical Health Science II student, has been selected as their NCSECU scholarship recipient. Christine will attend the University of North Carolina at Greensboro to pursue her medical degree as a practicing Family Medical Physician. Mrs. Hatfield, who nominated Christine for the award, described her as "An excellent and deserving applicant . . . focused, academically gifted, creative, goal-oriented, well liked by staff and peers, always extremely polite and respectful, and always willing to assist others in need." Congratulations, Christine!



A thumbs up indicates a working system!

## Industrial Piping II Students Complete Complex Project

The second and third-year Industrial Piping students completed the rough-in of a complete bathroom and kitchen sink. From a blueprint, the students made a materials list. With the help of their instructor, Mr. Mike Swanson, they purchased all of the materials needed from a local hardware store. They then decided the layout of each of the items and proceeded to installation. As you can see from the pictures, the bathroom fixtures and the kitchen sink were operational.

This project enabled the students to prepare for the same type of installations at the Career Center house. These same students installed the water heater, the kitchen and bathroom sinks, the tub and shower, placed the stops on the waterlines, the p-traps on the fixtures, and tied the water and sewer lines to the house. Students also had to be cognizant of the plumbing codes so that the Career Center house would pass inspection.



## Career Center Intern Learns the Ropes!

Brandy McLean, a Senior at West Caldwell, is working as a Technology Intern under the supervision of Mrs. Patty Ramsey, IT instructor at the Career Center. Brandy has been a valuable asset to the Caldwell County Technology Department this semester as she has been a steady fixture at Hudson Elementary School solving technology problems and assisting teachers with technology-driven lessons.

As Brandy explains, "This internship has helped me become more confident not only in my technology skills but also in my personal skills. I have learned to be more responsible and to take pride in my work. Motivation to improve and learn is high due to the confidence that my mentor has in me to make real-world decisions."

Internships are available to Juniors and Seniors in all Caldwell County Schools.

## Career Center High School Holds First Open House



Christine greeted guests, answered questions, and served refreshments to parents and students.

The Caldwell County Career Center High School will open for the first time in the fall of 2006. On Tuesday, March 16th, parents and students attended the first Open House which allowed all attendees to tour the facilities as well as get to know the instructors. Parents and students were able to ask questions, view current student work, as well as speak with current students.

Only 96 Juniors will be accepted into this program which begins in the school year 2006-2007. There will be three major emphases of study: Construction Technologies (which includes Residential Construction Technology, Electrical Technology, Industrial Piping, and Furniture/Cabinetmaking), Information Technology (which includes A+ Certification and Internet Technologies), and Biomedical Health Sciences.

For additional information, please contact Roxy Poovey, Career-Technical Education Director of Caldwell County Schools, at 828.726.2627 or rpoovey@cccti.edu or Debbie Kincaid, Career Development Coordinator at Caldwell County Career Center, at 828.726.2610 or dkincaid@cccti.edu. Applications are still available; please let any potential sophomores know about these openings. Thanks!

## Principal Selected for Career Center High School

On Monday, March 13th, Debbie Kincaid was chosen as principal of the Caldwell County Career Center High School by the Board of Education. Ms. Kincaid has been working at the Career Center for the past two years as a Career Development Coordinator. She is a previous business teacher with seventeen years of classroom experience. Ms. Kincaid has a bachelor's degree in business education, a master's degree in economics and business, and is currently working on her doctorate in educational leadership with a certificate in administration.

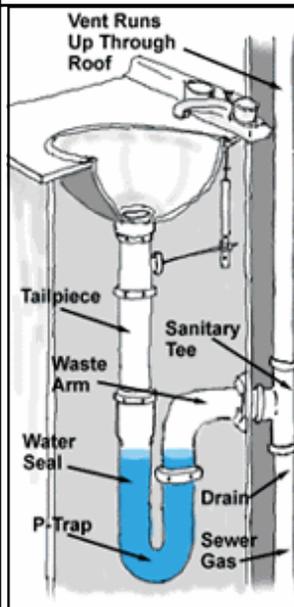


When asked about her new position, Ms. Kincaid exclaimed that "I really look forward to this opportunity. It is such an honor to be chosen as principal of such a special school. The students and staff here exhibit a family atmosphere encouraging caring and support for one another. The skills learned by the students are excellent as evidenced by our first-place winners at the national SkillsUSA competition this past summer. To integrate this high skill attainment with high academic content will allow our students to become successful employees of the 21st century."

Ms. Kincaid will begin her duties as principal on July 1st.

## Industrial Piping I Students Learn New Skills

The Industrial Piping I students have been learning how a DWV (Drain, Water, and Vent) system works and how waste and drain water flows through a pipe efficiently. The DWV system includes all the drains and waste pipes in and under the house, as well as the vents. The DWV system is completely independent of the water supply system. Regulations and standards are strict. Precise codes dictate how to keep contaminants—liquid, solid or gas—out of the house. The students have also learned how to slope the fall on a DWV system so that the waste will flow through properly without clogs.



## Fun Facts About Construction—Answers!

**Question #1**—1.84 million units of housing.

**Question #2**—Thomas Jefferson was an accomplished architect, despite being self-taught. His major works include Monticello (his home), the Virginia State Capitol and the University of Virginia. His buildings helped initiate the ensuing American fashion for Federal style architecture.

**Question #3**—The Pentagon, with 77 million cubic feet, is larger. The Sears Tower contains 61 million cubic feet.

**Question #4**—15 months, by 25 painters, using only brushes. The paint weighs 60 tons. The surface area is 239,000 square yards/200,000 square meters.

Source: [In Demand](#) →



## From the Director's Desk . . .

The end of the year is quickly approaching. Please encourage your Seniors to stay focused on school and on route to graduation. This can be a time when Seniors feel like school is over, but we have seven more weeks of school this semester. We look forward to seeing their smiling faces at graduation at the various schools.

We still have a few openings at the new Career Center High School. If you know of any rising Juniors who could benefit from being in a small school environment in one of the three major areas (Biomedical Health Sciences, Construction Technologies, or Information Systems) that we offer, please let us know and we will be glad to contact them. We have had several students and parents visit the Career Center with questions and we certainly welcome this as well.

Progress reports are issued as the calendar below dictates and every student receives one. If you have questions about your student's performance and/or grades, please call the school office at 828.726.2606 and we will be glad to get you in touch with their perspective teacher.

Thank you for your support, Roxy Poovey, 726.2627, rpoovey@cccti.edu

### April 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2	3 <b>Report cards distributed</b>	4	5 Faculty Meeting @ 11:00	6 <b>SkillsUSA State Competition, Plumbing</b>	7 <b>SkillsUSA Meeting (Hoagies)</b>	8
9	10 Curriculum Council Meeting, 3:30 Board of Education Meeting, 7:00	11	12 Cooperative Council Meeting, 11:30	13 Homebuilders Association Meeting, 6:00	14 <b>HOLIDAY</b>	15
← <b>SkillsUSA State Competition, Greensboro</b> →						
16	17	18	19	20	21	22
← <b>Spring Break for Students and Staff</b> →						
23	24 Community Board of Education Meeting—Career Center on the agenda, 7:00	25 Associate of the Year Banquet, 6:30	26	27 Secretaries Banquet, 6:00 Construction Day	28	29

### May 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	1	2	3 <b>Progress Reports Distributed</b>	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24 <b>Progress Reports Distributed</b>	25	26	27