



What's WORKING in Career and Technical Education

CTE News Briefs

December 12, 2017

HOSA Happens at the View!



Pictured are HOSA Officers and the Reece Family (L-R) Yastiyah Graham, Lauren King, Brooke Sikora, Keyla Reece, Emily Lyons, Tylan Reece, Tavon Reece and Scott Reece.

Celebrating HOSA Week at South View High

When the **Health Occupations Students of America (HOSA)** students heard that South View High School senior, Tylan Reece's mom had been diagnosed with stage 4 breast cancer, they were moved to action. They set out to promote breast health screening and awareness. HOSA students coordinated events for a school-wide Pink-Out day, to include a Pink-Out varsity football game on October 20, 2017. During lunches and at the football game, an information booth was set up promoting Breast Self-Exams (BSE) and the importance of regular health screenings and exams. Students were determined to do more to support Tylan and his family. A variety of fundraisers were organized to include selling bracelets, pink balloons and face painting. With the support of the South View community, students collected over \$500.00!

On November 8, 2017, as a part of our HOSA Week celebration, students organized a reception at South View High. The guest of honor was Mrs. Keyla Reece. Together with her family and the school community by her side, students presented a check for \$516.13. We are inspired by you Mrs. Reece! #KeylaKourage

AOF Students Participate in FSU Entrepreneurship Competition



Fourteen Douglas Byrd High School **Academy of Finance (AOF)** students participated in the annual Fayetteville State University Entrepreneurship Competition held on November 15, 2017. They were escorted by Ms. Tracy Hill, Instructor. Each team consisted of two students making seven competitive squads. Two teams made it to the final round. They were team Adelina Solis and Reece English, and Tamia Brown and her partner Sierra Porter. Congratulations to all students for a job well done!

Jack Britt's ISTA Compete in the Sustainable Transportation Education Program (STEP) Project



ISTA Students on the grounds of NCSU Joyner Visitors Center



Jack Britt's Mr. BUC meets Mr. and Ms. WUF

On November 18, 2017, students from the **Integrated Systems Technology Academy of Engineering (ISTA)** at Jack Britt High School (JBHS) traveled to NC State University to compete in the Sustainable Transportation Education Program (STEP) Project. The JBHS team competed and won 2nd Place Overall STEP, Best Portfolio, and Best Team Spirit.

Douglas Byrd AoGT Students Compete in STEP Solar Competition

The Douglas Byrd High School **Academy of Green Technology RC Car Team** traveled to Raleigh before Thanksgiving to participate in NC State University's Sustainable Transportation Education Program (STEP) Solar competition. Amari Littleton, Jason Rivera, Connor Smith and Johnesha Tomlinson finished 3rd overall in the competition. These students built and modified a remote control car which they raced in two competitions, a fifteen minute performance race and a forty-five minute endurance race. In the endurance race, the car batteries were charged by a solar tracking station of the student's own design. The overall winners were rated on their car's performance in the races, the quality of their portfolio, the design of their solar tracking station, the quality of their car body design, and their portfolio, which documented their research, experimentation, and collective team work. Congratulations to these four outstanding AoGT students!



Connor and Jason at NC State preparing for the performance race



Amari Littleton working on the solar charging station.



Connor and Jason working on the solar charging station

Students Attend Annual Manufacturing Day



Jack Britt High School's **Integrated Systems Technology Academy of Engineering** students attended the 5th Annual National Manufacturing Day in Sanford, NC on October 6, 2017. Their first stop was at the Innovation Center, a world class training center for industrial innovation. Facilities include a simulated work environment, a fully-outfitted welding lab, an instrumentation lab, as well as additional classroom space to expand knowledge about manufacturing careers and manufacturing's value to the North American economy. Students learned about the manufacturing companies in the community, and the skills and education needed to qualify for today's manufacturing jobs.

The students' second stop was Mertek Solutions Inc. Mertek Solutions Inc. provides machine design for manufacturing automation and manufacturing equipment design. In their words, "We make stuff!" Mertek serves as a manufacturing solutions consultant to Fortune 500 corporations and start-ups.

Healthcare Career Day at Ponderosa Elementary School

The Ponderosa Elementary School 5th graders learned about keeping others healthy at their **Healthcare Career Day** on Friday, December 8, 2017. Students began the event with a visit to Westover High School for activities that highlighted the Health Sciences Education programs. They experienced EKGs, strength tests and weight checks and saw what germs on dirty hands look like under a black light. Health Academy students even facilitated stations with cow lungs, sheep brains and hearts! After the Westover tours, students rotated through stations with community healthcare professionals in a traditional career fair format in the Ponderosa cafeteria. Students interacted with dental assistants, physical therapy assistants, EMTs, a school nurse, a radiology technician and CCS speech therapy representatives. It was a great day of hands-on learning!



Cape Fear Valley EMS demonstrate for students.



Ponderosa Elementary School students participate in demonstration.



Westover Health Academy student give blood pressure checks.



Westover Health Academy student share information with Ponderosa students.

Jack Britt's ISTA Awarded Photonics Kits Provided by LASER-TEC

Sixteen students from the **Integrated Systems Technology Academy of Engineering** at Jack Britt High School traveled to Central Carolina Community College in Lillington to compete in the 2017 Inaugural High School Photonics Fair. There were four teams of four students each discussing and demonstrating topics and applications relating to the speed of light in water, external and internal reflection of light, and the absorption of light. The high school students were given immediate feedback from the Laser and Photonics Technology Program Advisory Board members and community college students. Each high school was awarded ten Photonics Kits (A value of \$1,000 and provided by LASER-TEC) to continue the exploration of light and to provide resources for future Photonics Fairs.



Integrated Systems Technology Academy of Engineering students and Henrietta Jutson (far right) ISTA Instructor.

Career and Technical Education
Chip Lucas, Exec. Director
www.cte.ccs.k12.nc.us