TIGER FUTURES

Guiding Dawson County High School Students to Careers

https://dawsondchs.ss7.sharpschool.com/school_information/departments/c_t_a_e/

CTAE Website

The CTAE Website is up! Check out what's going on in CTAE. See Address ABOVE.

National FFA Convention

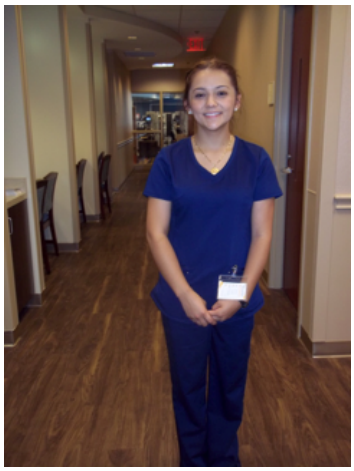
Seven members of the Dawson County FFA Chapter attended this year's National FFA Convention in Louisville, Kentucky. At the convention, students were able to meet FFA members from all across the United States. They got to attend sessions and workshops, explore the expo, and listen to several motivational speakers. Over 65,000 FFA members attended the convention.

February CTAE Month Celebration

February was CTAE month and DCHS celebrated last week by inviting teachers and staff to a breakfast, sponsored by FFA, FBLA, and HOSA, on Tuesday morning. On Thursday during lunch, FCCLA, JROTC, and TSA sponsored light snacks and desserts for the teachers and staff. Students were on hand at both events to talk about their individual Career, Technical Student Organizations.

WBL Spotlights

Ashton Abbott
Early Childhood Education Pathway
Kilough Elementary



Steicy Zavala
Medical Pathway
Northside Forsyth Hospital

Hunter Adams
Last Chance Restoration
Agri-Business Pathway

WBL Spotlights Cont'd on page 7

HTML Programmatic Thinking at Riverview Middle

Riverview Middle School Business Computer Science students have begun career exploration in code and programmatic thinking, with seventh grade classes choosing a topic of interest for HTML files.

HTML is the language of the internet and creates browsable pages. Students created pages with color, images, links, formatting and in some cases, tables.

Job growth in computer science and programming is burgeoning with an anticipated 1,000,000 new positions opening nationwide over the next decade.

Following this activity, students will create a Pong game in SCRATCH, before finishing the semester by creating SCRATCH animations of their own design.

Right, Marley Nadin, presents her web pages about her favorite singers for classmates, using Apple Remote Desktop through the projector to the SmartBoard.

To the left, Zach Holtzclaw waxes eloquent about his fishing skill, offering seasonal tips for success.

Fall AG Competitions

Agricultural Sales CDE - This team event is designed to develop the skills that are necessary to be successful in sales. These include communication skills, product knowledge, sales process, and maintaining customers. Team members for Dawson County were: Hailey Samples, Zach Samples, Tyler Margita, and Cody Byess. Our team placed 9th overall with Cody Byess being the highest scoring team member. **Job Interview CDE** - The FFA Job Interview CDE is an individual event. The event is developed to help participants in their current job search for part-time and full-time employment. Julia Todd competed this year placing 8th. **Floriculture CDE** - The Floriculture Career Development Event tests the participant's knowledge and skill in various aspects of the industry. The team event includes identification of plant materials and disorders, as well as a hands-on problem solving and written exam involving the production, use of plant material and their maintenance, related products, equipment and services. Team members for Dawson County were Amber Autry and Kent Ulrich. Our team placed 28th with Kent Ulrich being the highest scoring team member. **Agricultural Electrification CDE** - This CDE provides opportunities for FFA members to demonstrate their skills in electrical wiring, critical thinking, and communications. The Electric Membership Corporations throughout Georgia sponsors these activities as a means of promoting education in the safe, efficient use of electrical energy. Rob Cox competed this year placing 8th. **Dairy Cattle Evaluation CDE** - This CDE helps students develop skills in dairy cattle selection and herd management. Participants evaluate the cattle's physical characteristics, explain their various classes and analyze a herd record as a team. Our diary judging team traveled to Abraham Baldwin Agricultural College in Tifton to compete in the state competition. Team members for Dawson County were: Amber Autry, Rob Cox, Hailey Samples, and Zach Samples. Our team placed 5th in the state. Amber Autry was the highest scoring individual team member placing 14th overall in the state.

FFA Winter News

Agricultural Mechanics CDE -Technological advances in American Agriculture continue to influence the way students must prepare for their futures. Students entering the workforce need a strong knowledge base and the ability to comprehend processes common to agricultural mechanics. Each team member had to compete in each of five (5) areas of Machinery & Equipment Systems, Electrical Systems, Energy Systems, Structural Systems, and Environmental & Natural Resource Systems. Problem Solving and skills are a part of each of the five areas. There is a team activity that may utilize computer and/or GPS technology in addition to other tools/devices associated with the National Ag Mechanics CDE technical areas. There is a twenty-five question multiple choice test. Dawson County team members this year were Zach Samples, Rob Cox, Tyler Margita, and Israel Tatum. Our team finished 2nd in the area competition with Tyler Margita being the 2nd highest scoring individual in the area. The team competed in the state competition on February 6th and finished 11th in the state at Fort Valley State University.

Dairy Show Team

The DCHS Dairy Show Team attended 4 shows this show season. The show team members are: Amber Autry, Michaela Brauda, Ethan Burt, Rob Cox, Alyssa Habermann, Austyn Locke, Tyler Margita, Hailey Samples, Zach Samples, and Malachi Sheriff. The **Snow Flurries Classic Commercial Dairy Heifer Show** took place on January 30th in White County. In showmanship, Tyler Margita placed 4th and Austyn Locke placed 6th. In weight class, Hailey Samples placed 3rd, Rob Cox placed 4th, and Malachi Sheriff placed 5th. The **UGA Commercial Dairy Heifer Show** took place on February 6th in Athens. In showmanship, Alyssa Habermann placed 2nd. In weight class, Amber Autry placed 4th, Malachi Sheriff placed 9th, Austyn Locke placed 9th, and Hailey Samples placed 10th. **The Briar Patch Dairy Show** in Putnam County was on February 13th, which was a fun smaller competition.

State Livestock Show

The Dairy Show Team recently attended the Georgia National Fair on February 17 - 20 in Perry, Ga. They did very well with 9 out of 10 placing in the top ten!
Results of the State Livestock Show:
Zach Samples - 1st place Senior Showmanship
Weight Class: Tyler Margita - 2nd place, Amber Autry - 4th place, Michaela Brauda - 5th place, Austyn Locke - 5th place, Malachi Sheriff - 5th place, Zach Samples - 6th place,

Alyssa Habermann - 7th place, Rob Cox - 9th place, Hailey Samples - 9th place, Ethan Burt - 12th place, additionally the **Dairy Team** placed 5th overall in the State Dairy Contest on December 5th.

What's Going On In JROTC?

(Pictured above) Cadet Christian Williams and Cadet Ethan Winborn Placed 1st in the "Dual Exhibition" category at the North Spring Charter High School Invitational Drill Meet.

The JROTC Unarmed Squad placed 2nd at the Drill Meet hosted by Grayson High School on Feb 27th.

The DCHS Rifle Team completed its first season shooting precision rifle in the Georgia High School Association (GHSA). We new

starting the season that we would basically be competing against ourselves as it take about three years to develop a shooter to the level at which they are competitive. As expected the team didn't win any meets this season. What was unexpected is how quickly our shooters came up to a competitive level. Our first team score was 977 out a possible 1200. The team managed to significantly increase that score to 1060. The high scoring overall shooter for the year was a tie between Lizette De La Cruz and Travis Rutledge at 278. Rutledge had the highest score in the prone (99), kneeling (94), and standing (91). The other team members and their high scores for the year are James Allen (265), Zachery McHan (258), and Ricky Martin (244).

Move On When Ready: Welding Spotlight

Junior and Senior Dawson County High Welding Students participating in the Welding program at Lanier Technical College-Dawson Campus. Instructor: Mike Brandt

HOSA Blood Drive

The club will be hosting a blood drive for American Red Cross on March 4, 2016, for our students and staff.

Registration

Registration has begun for the 2016-17 school year. Talk to your student about their interests and what career pathway they might wish to pursue. Check out our CTAE website for more information! Address is on page 1 of the newsletter.

WBL Spotlights Cont'd

Taylor Hammond
Lanier Dental
Medical/Dental Pathway

Harrison Adams
NGPG Orthopedic Surgery & Sports Medicine
Medical Pathway

DCHS Marketing assists Blue Sky Advertising Agency

Blue Sky is and advertising agency in Atlanta for CNN, TIME, Gas South, A&E Networks and the Atlanta Braves. They have newly developed a water bottle company, Moon Tide Springs, based out of Maine. Bob Buchan, the Vice President of Sales and Marketing, contacted Coach Burgess about assisting in choosing a logo for the water bottles. "This is a real world, real time project." says Bob. These waters are premium waters that will compete with Fiji, Evian, Voss and San Pellegrino. Our class was chosen to be part of the focus group, groups of 17-18 year olds that the waters would hopefully appeal to. The class spent two days analyzing, discovering pros and cons to each bottle, and discussing which ones are most appealing to the eye. There were seven different bottles to choose from and we had to narrow the selection down to one bottle. 1st year marketing student Alexis Matheson said "It was a cool experience to work with a real world company like Moon Tide Springs."

HOSA News

November was a great month for the Dawson County High School HOSA

chapter. HOSA and healthcare science students volunteered at DCHS's Science Night, an evening where elementary-age children get to experience the "fun side" of high school science. Students provided demonstrations of anatomical models and skeletons, blood pressure checks, hand-washing, and even CPR.

Brenden Capps, HOSA President, and Heidi Collett, able HOSA Vice-President, served as tour facilitators at DCHS's most recent Technology Education Advisory Committee meeting.

Several of our members were to showcase their culinary skills as the HOSA club prepared a Thanksgiving meal for an underprivileged family, in cooperation with KARE for Kids.

Dawson County High School HOSA club recently visited North Georgia Assisted Living Center. Club members delivered lip balm and hand lotion to the residents. Our organization is proud to support the partnership of North Georgia Assisted Living Center and our work-based learning program.

HOSA students will be attending State Leadership Competition on February 28 thru March 1 at the Atlanta Marriott Marquis. The students will participate in healthcare-related knowledge and skill competitions and will attend valuable workshops that will give them guidance as they pursue careers in healthcare.

FBLA News

The month of November proved to be extremely busy for the DCHS FBLA. At the beginning of the month students participated in the Fall Leadership Conference at the Classic Center in Athens. The Fall Leadership Conference allowed the attendees to network with

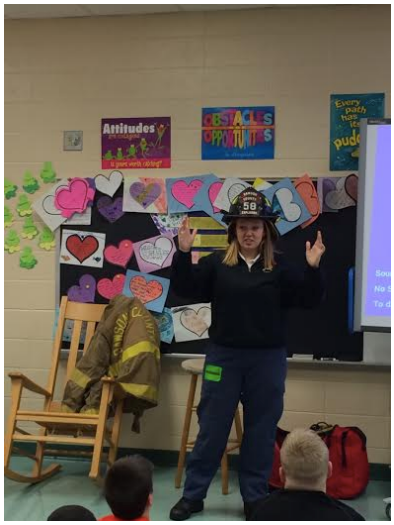
other students in team building workshops and taught them lessons in personal finance, economics, and leadership and management. While at the Fall Leadership Conference, Mr. Coker and Mrs. Covington also took students on a tour of the University of Georgia's Terry College of Business and the UGA Campus.

Immediately after returning from FLC students started preparing for the Region skills, production, competency, and performance competitions. Students participated in skills testing on November 19th in both Word Processing and Spreadsheet Production. Two groups entered production pieces that were due on December 1st. Competency tests were administered on December 15th to approximately 20 students over topics from Business Communications to Introduction to Financial Math. All competency, production, and skills testing results were on January 23rd when performance competitions took place at the Region Competition in Ringgold. The following students were State Qualifiers: Business Calculations-Sarah Tinsley, Business Communications-Isabel Queen, Intro to Business Communications-Evy Ulery & Emma Garrett, Intro to Financial Math-Marley Hamby, Personal Finance-Isabel Queen, Publication Design-Tyler Hamby & Marley Hamby, Spreadsheet Design-Tucker Turner, Public Speaking I-Evy Ulery. Congratulations to all Contestants!

Before attending the Fall Leadership Conference the FBLA Advisers, Mrs. Covington and Mr. Coker, wanted to set the tone for the trip by providing a positive bonding experience for the students. After much research they found an event called Escape the Space for the group to attend. Upon entering the building for Escape the Space, the students were somewhat skeptical but once greeted by the owner, Andrew Brasher, their enthusiasm began to grow. After much apprehension to doing so, the students and advisers all locked their smart phones away and entered the SWAT room at Escape the Space. They were challenged to complete four puzzles, which would then give them the clues needed to diffuse a bomb in one hour. Even though the students and their advisers did not succeed and as a result were declared epic failures it was a very beneficial team-building trip. At the end of the event the participants kept talking of doing it again before the state competition, which will send the DCHS FBLA back to Athens and the Classic Center.

Work Based Learning at Black's Mill Elementary

Work-Based Learning Coordinator, Dianne Mayfield, and 10 WBL students in conjunction with Tonya Corbett, Counselor at Black's Mill Elementary, made a presentation to 3rd, 4th, and 5th graders on their future career opportunities. They talked to them about what the students could be doing right now in their studies at elementary school to enable them to reach their dreams and career goals.



Work-Based learning students spoke to the groups about their personal career opportunities they currently have through the Work-Based Learning Program, their plans for the future and their post-secondary career plans.

WBL – Work-Based Learning Internships/Apprenticeships/Co-op Opportunities

The Work-Based Learning program at Dawson County High continues to grow and expand opportunities for high school juniors and seniors to experience career based on-the-job training. Program participation numbers for the spring semester are expected to grow by approximately 25 students.

Fall Semester WBL students have currently logged 9500 hours in 73 different internships/apprenticeships/co-op job sites. These students continue to gain career experience and training in their job settings. Check out the WBL Spotlights on pages 2 and 7.

In October, WBL was highlighted at the Dawson County Workforce Investment Conference organized by the Development Authority of Dawson County. Work-Based Learning Coordinator, Dianne Mayfield had the opportunity to highlight the opportunities available to local businesses in the Dawson County community through working with high school students through the WBL program. Dianne Mayfield and Stacy Martin, CTAE Director at the high school, both had the opportunity to speak at the conference where much emphasis continues to be placed upon the acquisition of soft skills for graduates as they enter the job market.

On November 19, the CTAE Advisory Committee made up of representatives and stakeholders from the community, local businesses, post-secondary educational facilities and CTSO students met with the CTAE instructors to discuss the rigor and relevance for each of our CTAE programs. The WBL advisory committee met and discuss many options and opportunities for Dawson County students as the WBL continues to expand to meet the current needs of both students and local businesses.

WBL partner Dawson County Chamber of Commerce and its director Christie Haynes made a presentation to the WBL Coordinator in the form of a letter that has been sent to all current and recent WBL sponsors in appreciation for their support of Dawson County WBL students. We can never say thank you enough for local business support of the WBL program.

FOOD SCIENCE AND FCCLA

Food Science students prepared a class meal at the end of their unit about methods of heat transfer, phase changes, exothermic and endothermic process, and the effect of bakeware on cooked foods. They prepared roasted chicken, baked potatoes, stir-fry vegetables, Red Lobster biscuits, apple cobbler, and homemade vanilla ice cream. Food Science integrates many different

branches of science and applies those in food preparation. Students also explore emerging technologies in the food industry and their impact on food supply, nutritional value, aesthetic appeal, and food safety.

FCCLA members attended the Hospitality Expo in College Park in February. Members had the opportunity to talk to many professionals in various sectors of the hospitality and food industries. Those attending were Elizabeth Hudgins, Emily Bottoms, Sara Bruni, Abby Scoggins, Emily Kulig, Haelye Lewis, Jonesie Payne, Alexis Matheson, Kennedy Kitchen, Rachel Cown, Hope Bennett, Brandi Butler, Jessica Butler, Cameron Carter, Jordan Martin, Emma Allen, and Logan Hudgins. They were accompanied by Dianne Tidwell, Tori Bottoms, alumni member, Edie Beusse, FCCLA adviser, Cindy Hudgins.

FCCLA has been observing CTSO month and FCCLA week with a variety of activities. FCCLA, along with TSA and JROTC, hosted a reception for all faculty and staff members on Feb. 25. FCCLA members also wore red that day to "Go for the Red" and help publicize FCCLA. Members will continue to carry out FCCLA week activities during the next two weeks.

DCHS
Engineering Department Has Been Awarded With A Charter School Mini Grant For 3D Printers

The DCHS Engineering department is one of several recipients of Charter School Mini Grants for Dawson County. Eight (8) 3D Printers will be delivered shortly to Dawson County High School for use in furthering STEM initiatives. (STEM is an acronym for Science, Technology, Engineering,

& Math.)

The ability to integrate engineering design into science and math curriculum with current work-day skills allows us to reach students that we typically could not reach any other way. The science department would use the 3D printer to build models for teaching science and to build working components/equipment for advanced experiments. Math students could develop 3D visualization skills; in addition students would be able to demonstrate 3D graphs for algebraic equations.

An intangible component of the equipment used in this project is that it aids in student engagement and critical thinking skills as students will both design and build their own creation. It promotes exploration of standards and technology skills by experiential means.

Current curriculum areas require students to think and then apply concepts to real world problems and solutions. The widespread use of 3 D printing will allow students to test the aesthetic, and functional properties of their design with a solid model instead of a virtual model.

Once the 3D printers arrive, they will be set-up and formatted for use, and distributed to Science and Math classrooms for specific lessons and projects.

Thank You!

I would like to thank the teachers and students for making the Dawson County CTAE program a successful, thriving part of the culture at DCHS. The hours put in by teachers and students does not go unnoticed. I know that as a program you, the teachers and students, will continue to amaze me and make DCHS proud. WE ARE: ONE DAWSON!

Stacy Martin
CTAE Director/AP
Dawson County High School