

DADE COLLEGE & CAREER EDUCATION NEWS

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State Department Newsletter Highlights Local Business Owner

Local Business Owner Inspires Students and Teacher

My name is Jeff Forester and I'm a lifelong resident of Dade County and have been a business owner since 1989. I also served on the Dade County Board of Education from 2011- 2014. For years I have been an aviation enthusiast, ranging from flying real planes, remote control planes to recently purchasing my first drone. My interest in drones grew after a recent increase in news related to information on drones, such as Amazon's plans on delivering packages with drones. I decided to purchase my 1st drone this past summer.

After much research I bought a DJI Phantom 3 Standard. It's easy and fun to fly and equipped with an intelligent camera that can take 1080p HD videos and 12 megapixel photos.

In October 2015, I demonstrated my DJI Phantom to Josh Hurst, Audio-Video Technology and Communications teacher at Dade County High School, and his class. We used the drone to video the high school and football field. The students were very enthused and amazed at how maneuverable the drone is and at the distance and height it will go.

The drone is engineered with auto take-off and auto return, guided by satellites. It has an intelligent flight system that allows it to automatically stay in the air while you video/ take photos, and with it's advanced gimbal stabilization, you have the ability to take smooth videos and photos no matter how you fly.

The sky is the limit to the future of drones as it has become a multi-billion dollar industry. Many colleges are now offering degrees in drone technology. After that demonstration the CTAE department ordered its first Drone for the Audio-Video Technology and Communications courses to use which will enhance and offer students who are interested in pursuing a career in the fast growing drone industry a chance to use this new technology.



Jeff Forester

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Special points of interest:

- FCCLA is raising awareness to help stop the use of drugs and domestic violence in our community
- Every day on the job many of the choices you make are influenced by workplace politics

Ford STEM Academies Tackle Real World Problems In The Classroom

It's 9 o'clock, and 25 ninth graders at Jeffersontown High School in Louisville, Ky., are hard at work, trying to solve a vexing math problem: how to build a sturdy, life-size boat out of nothing but cardboard and duct tape.

It's not just a math problem. It's a physics project, too, and a lesson in computer-aided design.

Working in small groups, boys and girls are on their knees, or sitting cross-legged on the floor, cutting 30 square feet of cardboard sheet into parts they designed on the computer and then placing them at carefully planned angles before taping them into position. Their math, science and engineering teachers are circling the room, helping when needed.

This isn't like any math or science class I took as a kid. And that's the point. The kids at Jeffersontown High School are part of an innovative program started by [Ford Motor F -0.52%](#) Co. called [Next Generation Learning](#) to help prepare students for jobs in the 21st century and meet the growing need for workers in the fields of science, technology, engineering, and math (STEM). The entire school is now a professional career academy, helping to train future engineering, manufacturing, and IT professionals with unique experiences that go way beyond the old shop classes most adults remember.



“These academies are an innovative way to invest in our future workforce,” said Felicia Fields, Ford’s group vice president for Human Resources. “Not only do they help students make the connection between classroom learning and a career, they address our need for workers with strong technical backgrounds.”

<http://www.forbes.com/sites/joanmuller/2015/05/05/ford-stem-academies-tackle-real-world-problems-in-the-classroom/>

DCHS Engineering Department Go-Kart Independent Project

Students Woody Walden, Vanson Black, Pat Gibson, and Garrett York (not pictured) are rebuilding an old go-cart brought in by Vanson. They are in the process of rebuilding the motor, replacing the tires, greasing, and integrating an electronic starter switch beneath the steering column. The go-kart should be up and running within a couple of weeks. The students will video the go-kart running once they finish.

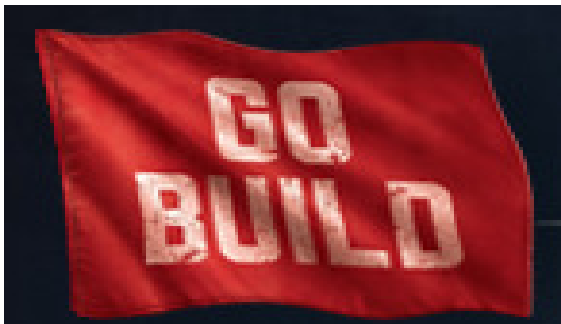


These 7th graders at DMS are researching through technology and newspapers in education to get ideas about potential careers. Mrs. Katherine Brewer leads the students to consider their own natural talents, training necessary, success rate, lifestyle of work required, and estimated pay for their career choices.

Left to Right: James Wilson, Jacob Reeves, Sara Copple, Grace Giles



Article by:
Katherine Brewer



Coach Wells' classes are called upon often to assist with high school and sometimes system wide projects. Coach Wells and his advanced classes offer an opportunity for his students to connect class with real-world construction experiences. Each year, the DCHS Drama department performs a wonderful and entertaining theatrical play, and along with that production comes a great need for props and set building, with which Coach Wells' class assists. Left is junior Gabe Buchanan marking plywood in preparation to cut out a doorway to be used as a prop in DCHS Drama students' upcoming play.

Dade County High School seniors recently visited a College Probe held at Dalton College. The purpose of the probe was to give students the opportunity to learn about colleges and universities in the state. In addition, they had the chance to speak to college recruiters who are very knowledgeable about: admissions requirements, scholarships, technical and academic majors offered at each college, as well as, freshman life on campus and support systems that are offered to ensure a successful first year. The students enjoyed visiting the tables, gathering brochures, and speaking with more than 40 colleges. Article by: Sandy Bradley



Getting involved..... pays big dividends!!!!!!!

What does your **5 year PLAN** look like?????



Developing Your Workplace Political Skills

Every day on the job many of the choices you make are influenced by workplace politics. Say, for example, you are assigned two supervisors who each give you a task to do. Chances are you'll do work first for the supervisor who is more demanding.

To build "political" skills — one form of work readiness — you need to behave in ways that will build trust among different types of people. Take the following self-assessment to learn what you now know and what you need to learn to navigate the politics of work.

	Agree	Disagree
1. I often make decisions based on whether I like a person.	___	___
2. My face shows how I feel about what's happening.	___	___
3. The behavior of other people often gets under my skin.	___	___
4. I need a strong supervisor to tell me what to do.	___	___
5. I have difficulty meeting new people.	___	___
6. I usually say exactly what I'm thinking.	___	___
7. I like to do things my way.	___	___
8. I prefer to keep important information to myself.	___	___
9. I take pride in not being influenced by what others say.	___	___
10. I don't like new experiences that require me to change.	___	___
11. I need a supervisor who is always kind.	___	___
12. There's usually only one right way to do something.	___	___
13. There's nothing wrong with gossip if it's true.	___	___
14. The only person I have to please is my supervisor.	___	___
15. I don't need to worry about politics in the workplace.	___	___

Action: If you marked "Agree" for more than two of these statements, you may not be ready for the give-and-take that occurs in a career. For each "Agree" you marked, how can you prepare for the politics of a professional environment?



FBLA Members Welcome Georgia State School Superintendent



On December 8, 2015, FBLA members were selected to greet the Georgia State School Superintendent, Mr. Richard Woods. Members also participated on a question/answer panel with Mr. Woods where they were able to highlight the competitive events, conferences, and other opportunities associated with FBLA.

While on campus, Mr. Woods visited the business classroom in which he was able to interview students in the program. Students highlighted the various projects, FBLA, and the GMetrix software system that helps prepare students for Microsoft Certification exam.



Pictured from left to right: Hope Heyde, Jed Henderson, Taylor Cox, Bryce Nethery, Cole Irwin, and Jonathan Bowman.

The DMS engineering classes are off to a great start this year! One of the main concepts in our class is the engineering design process and how "failure" in a design can often be a good thing. The 6th and 7th graders learned this first-hand when they designed three prototypes for their own 3D printed spinning top. Students first practiced drafting and measurement when they sketched three designs on graphing paper. Next, they made their first prototype with cardboard, thumbtacks, and duct tape. Many students discovered their diameter needed to change, or the shape of spinning top could be different to spin faster and longer. Finally, students flexed their computer skills by designing their favorite design using CAD software on the computers. They watched their designs turn into real-life spinning tops using the 3D printers in our lab. We tested the spinning tops in a "Spinning Top Showdown," comparing the diameter, shape, and size of the tops. Jack McBryar, a 7th grade student in engineering, said "making our spinning tops was really open and there was no criticism when we were designing. If we wanted to revise our design we could. The rounded bottoms did really well!" Our class at DMS is meant to be just that – where creativity and design are encouraged through the engineering process.



Mrs. Pam Barton, DCHS Work Based Learning and Youth Apprenticeship Coordinator

Mrs. Barton is a great resource for the student who is looking for his or her first job opportunity. Please contact or have your child contact Mrs. Barton to discover the learning opportunities that are just around the corner to all who apply themselves.

work-based learning



TSA Tech Day Event in Perry, GA on October 12th, 2015

Engineering students from DCHS attended the TSA Tech Day in Perry, GA, on October 12th, 2015, to compete against other students across the state. Alex Holdaway, Steven Nelson, Max Kacvinsky, Vanson Black, and Justin Walden each took their own projects to the competition. Alex Holdaway competed in the PVC Catapult competition, which tested for distance and accuracy, Steven Nelson competed in the CO₂ Dragster Challenge, Max Kacvinsky competed in the Balsa Bridge Strength Challenge, and Vanson Black and Justin Walden both competed in the Mousetrap Car Challenge. All of the students worked hard on their projects and enjoyed the technology rally, fair, and bonding on the trip. Tech Day is a way students can be exposed to strict competitions and prepare themselves for state and hopefully even national competitions in the spring.



Above: The technology rally introduced students to state representatives, advisors, and future competitions they should prepare for.



Above: (from left to right): Vanson Black, Max Kacvinsky, Justin Walden, Alex Holdaway, and Steven Nelson

Skills Most Sought After by Employers

So, what are these critical employability skills that employers demand of job-seekers?

Communication Skills (listening, verbal, written). By far, the one skill mentioned most often by employers is the ability to listen, write, and speak effectively. Successful communication is critical in business.

- ◆ Exceptional listener and communicator who effectively conveys information verbally and in writing.

Analytical/Research Skills. Deals with your ability to assess a situation, seek multiple perspectives, gather more information if necessary, and identify key issues that need to be addressed.

- ◆ Highly analytical thinking with demonstrated talent for identifying, scrutinizing, improving, and streamlining complex work processes.

Problem-Solving/Reasoning/Creativity. Involves the ability to find solutions to problems using your creativity, reasoning, and past experiences along with the available information and resources.

- ◆ Innovative problem-solver who can generate workable solutions and resolve complaints.

Interpersonal Abilities. The ability to relate to your co-workers, inspire others to participate, and mitigate conflict with co-workers is essential given the amount of time spent at work each day.

- ◆ Proven relationship-builder with unsurpassed interpersonal skills.

Planning/Organizing. Deals with your ability to design, plan, organize, and implement projects and tasks within an allotted timeframe. Also involves goal-setting.

- ◆ Results-driven achiever with exemplary planning and organizational skills, along with a high degree of detail orientation.

Teamwork. Because so many jobs involve working in one or more work-groups, you must have the ability to work with others in a professional manner while attempting to achieve a common goal.

- ◆ Resourceful team player who excels at building trusting relationships with customers and colleagues.

FCCLA: Have You Heard

You've heard of FCCLA in our high school, right? But have you ever wondered what it means? FCCLA stands for Family, Career, and Community Leaders of America. FCCLA is all about teaching teens how to lead their families, coworkers, and communities to make a better America for tomorrow. There are many different activities to get involved in through FCCLA, such as fundraisers to help support our school and community, projects to promote awareness about current issues in our world today, and a variety of different competitive events. Through all of these activities, students are coming together to make friends, network, and engage the community through leadership and service.



This year we are excited to kick off a weekly bake sale at our school. During this time, we will learn useful baking skills to use now, as well as later in life. Using these learned skills, FCCLA members will meet after school to prepare and bake items to sell the next day. We had a great time making our float for the homecoming parade where students worked together to create, design, and embrace our creative side.

For our service projects, FCCLA will be raising awareness to help stop the use of drugs and domestic violence in our community. Drugs are a huge problem, not just in the world as a whole, but even specifically in schools. There are influences all around us- music, TV, communities, role-models, and more. Together with other student organizations, our FCCLA club will partner to help support Red Ribbon Week at our school. We also celebrated Red Ribbon Week which involved a whole week dedicated to the awareness and prevention of drug use in both schools and in our community.

We are very excited to participate in these activities this year as we learn how to become leaders in our communities, families, and workplaces. We also look forward to meeting with different people in our area that we can help and serve. FCCLA looks for activities that help make people's lives better and maybe even save a life.

By: Isabelle Hitchcock and Izzy Yunk



The Sea Cadets supported by the Department of the Navy "a youth leadership learning opportunity" is coming to Dade County. During the summer months, cadets will have an opportunity to attend recruit and advanced trainings throughout the United States. This is one "highlight" the Sea Cadet program offers! Sea Cadets also attend special events and will be involved with community activities.



DADE COUNTY HIGH SCHOOL

Anti - Bullying Policy

Bullying, intimidation or harassment are serious and will not be tolerated

Our policy prohibits bullying on school property, at school events or by using electronic devices at school





Partnership Opportunities

How can businesses and the community strengthen our schools?

Resources businesses and community may supply to schools:

- Apprenticeship programs
- Partnership with a school, class, or subject
- Display student artwork
- Serve on educational committees
- Serve on a Local School Governance Team (LSGT)
- Employee recognition
- Educational field trips
- Improvement of school buildings
- Job fairs
- Leadership training
- Parent workshops
- Speakers
- Student Mentoring program
- Summer Internships
- Technical services
- Test proctors



Partners In Education (PIE)

Material Resources

- Student incentives
- Informational videos
- Surplus supplies and equipment

Financial Resources

- Equipment purchases
- Grant funding of school projects
- Scholarship programs
- Funding for special school events
- Teacher appreciation funding of recognition items
- Educational program funding



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Jennifer Reese, Assistant Principal
James Cantrell, CTAE Director - AP
Alan Morris, Chief Editor



Dade County
Chamber Of Commerce

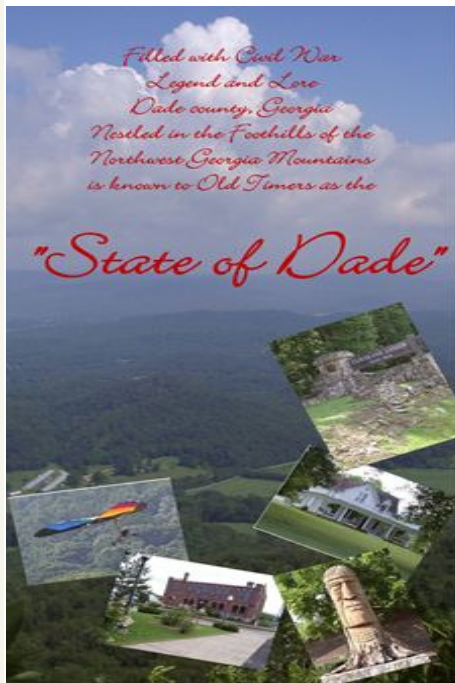
We're on the Web:

<http://dchs.dadecountyschools.org/>



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Advertise HERE to support College and Career Education in Dade County!



<http://www.dadechamber.com/>
Small business or a major corporation, our schools and programs need you!

Business Partners Wanted!!!!

Working hand in hand with our local businesses and community is critical to ensuring our students' success. Your participation as a Dade College and Career Education (DCCE) partner will influence students, who are the future leaders of our community. For education partners, the rewards are both immediate and long-term because an effective education system provides a strong foundation for economic success in Dade

County. Whether you are a small business or a major corporation, our schools and programs need you. Partners In Education is an investment in our children, our community and our future.

Contact us today to become a Partner in Education. Dr. Cantrell will be glad to assist you in selecting the most appropriate program for your volunteer efforts.

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