

Every CTAE story has a CTAE teacher.

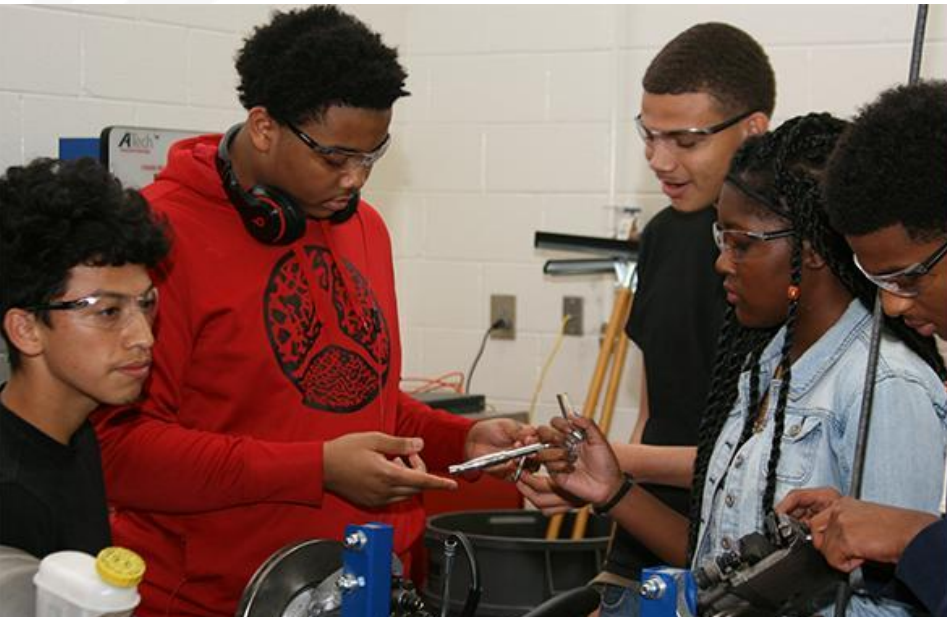
GBEA
September 28, 2016
Barbara M. Wall, Ed.D.

Georgia Department of Education

Georgia CTAE Teachers Make a Difference

Georgia Department of Education

CTAE concentrators have a 94.9% graduation rate – almost 16 points higher than the state average!



CTAE

Graduation Rate

94.9%

FY 15 CTAE Annual Report

The research says . . .

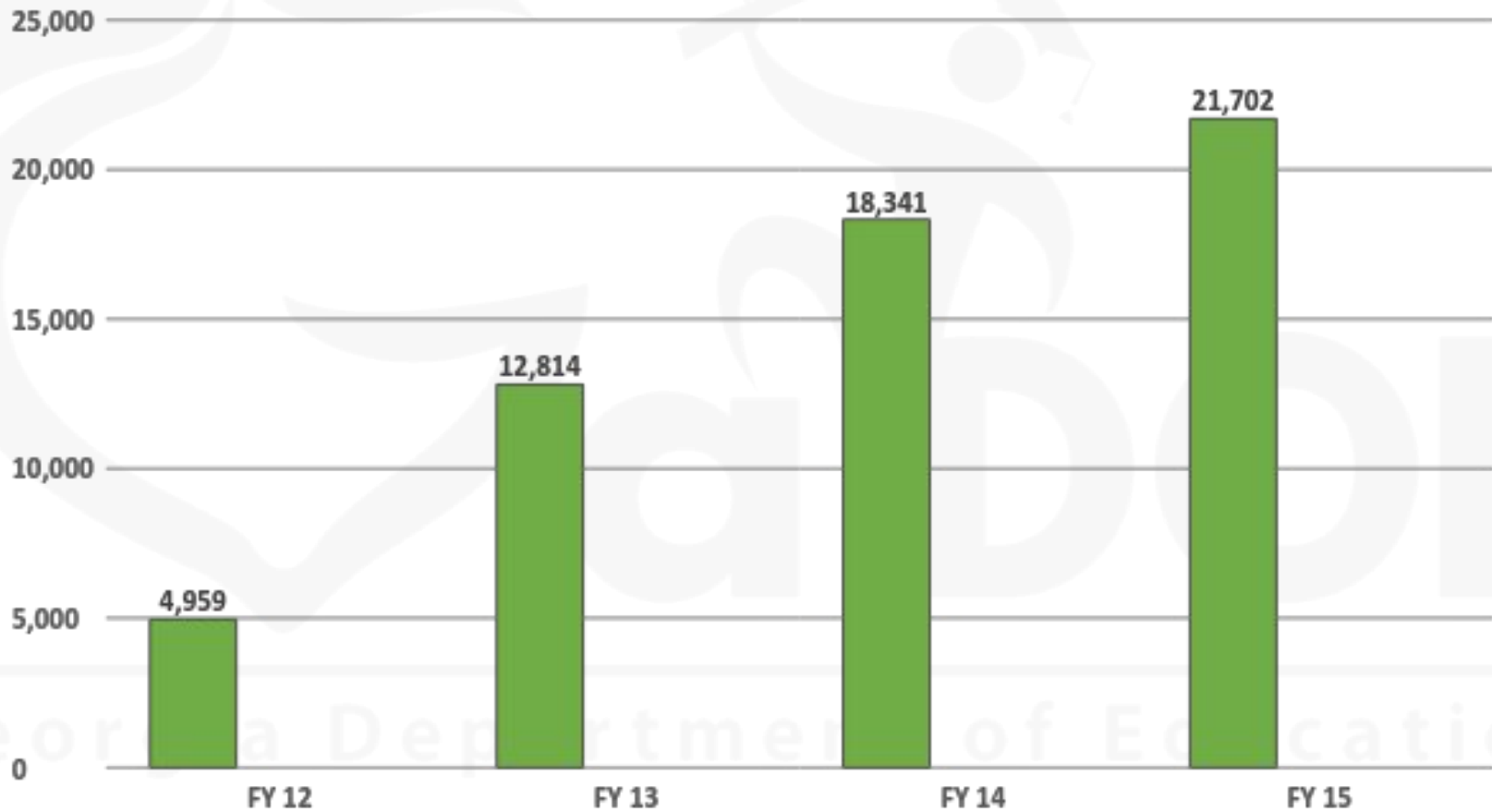
- **CTAE is a safety net for at risk students.** Odds of dropping out decline with an increased proportion of CTAE courses in high school.
- **CTAE graduates students.** Pathway completers more likely to graduate and continue in post secondary education.
- **CTAE provides focus.** Pathway completion keeps students in school & gets students focused on very important target



Georgia CTAE Students

- 60% of Ga HS students take 1 or more CTAE Course
- 57% of Ga middle students take 1 or more
- 577,020 Ga students in CTAE
- 17 Career Clusters
- 130+ career pathways
- Opportunity to earn industry credentials from 300+ assessments

of Industry Credentials Earned



The research says . . .

- **Obtaining an industry credential:** adds a common tangible goal that students, parents, teachers & administrators can collectively embrace.
- **The pursuit of common goals** (e.g. credentials): is a strategy for dropout prevention.
- **Industry Credentials:** add **rigor** to the curriculum.
- **Students connect and remember:** real-world **relevance** of learning a skill and earning a credential.
- **Characteristic of school with high graduation rate:** is strong **relationship** between teacher & students.

Rigor, relevance & relationships = results for CTAE students

CTAE Mission

To educate Georgia's future workforce by providing experiences for Georgia students that will prepare them for workplace success.

CTAE Educators can't accomplish this alone.
Partnerships MUST be formed with business & industry.
Relationships must be developed based on trust and communication.



Richard Woods,
Georgia's School Superintendent
"Educating Georgia's Future"
[gadoe.org](http://ga.gov/gadoe)

CTAE is education's ROI

"... parents & the public wants to see a clear connection between the public school system and the world of work." J.P. Starr, CEO PDK International

http://pdkpoll2015.pdkintl.org/wp-content/uploads/2016/08/pdkpoll48_2016.pdf

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FY 16

We listened to business & industry and heard that technical skills are certainly needed, but too many entry level workers typically lack: soft skills, math skills, communication skills, & computer skills.

FY 17

We are responding to what we heard from business & industry.

FY 17 CTAE

1. RESPONDING to B & I

- **Soft Skills** (Research with Harvard & P to P; Task Force & Crosswalk with American Institutes for Research; Chuck Little, Atlanta Electrical Contractors – soft skills grant at GACTE; 2 new resources for teachers)

\$1,000 each:

Debra Lary, Newton CCA

Lynn Burch, Fannin Co.

Taylor Kinkade, Muscogee Co.

- Act Three Tasks in **Math** (Lockheed Martin - video real world aeronautical scenarios involving math problems taught in Georgia K-12 standards in three Acts.

Act 1: students observe video that poses a question.

Act 2: students determine what information they need to answer the question. The information is provided then they try to solve it.

Act 3: provides answer in a video and a sequel problem.)

- Microsoft Virtual Classroom Projects – **Computer Skills**

FY 17 CTAE (continued)

2. CONNECTING and STAYING in TOUCH with B & I

- **WBL** and capstone project
- **Career Coach Pilot**
- Go Build Grants – MS & HS
- AVTF Grants – MS & HS
- International Skills Diploma Seal
- CTSOs
- STEM – over 1,000 schools working towards
- New Pathways: Industrial Maintenance, Game Design, Internet of Things, Web Development, AVTF
- Workforce Pipeline Toolkit
- **Externships** – 3 days minimum pre-approved
- **Advisory Councils – State & Local**
- **Economic Development Ready Certified School District**
- **Regional workforce projects with Carl Vinson Institute, Hire Dynamics, etc.**

Get Schooled

Your source to discuss and learn about education in Georgia and the nation and share opinions and news with Maureen Downey.

Survey: No agreement on role of public schools, but preference for career-tech over tougher academics

By [Maureen Downey](#)
August 30, 2016 | Filed in: [Ajc-opinion](#),
[Charter schools](#), [College](#),



The Georgia General Assembly has long appeared conflicted on the role of public education. State lawmakers were among the earliest in the country to begin deriding public schools as “government schools” as a means to promote school choice. At the same time it proclaimed support of Georgia’s public education system and its teachers, the Legislature spent a lot of time and money plotting escape routes out of the schools.

That ambivalence has spread to the public, according to the [latest results](#) from the annual Phi Delta Kappa International (PDK) Poll of the Public’s Attitudes Toward the Public Schools. . . .



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gadoe.org

48th Annual Edition of PDK International Poll of Public's Attitude Toward the Public Schools

- Americans disagree on overall goal of education: **(Academics 45%; Work Prep or Citizenship 51%)**
- Ways to improve Public Education: **68% supported addition of more vocational & career classes** as opposed to more honors or advanced academic classes
- 90% of parents say it's "extremely" or "very" important for schools to **help students develop good work habits** BUT only 31% say their schools do an excellent or very good job of accomplishing this objective.
- 82% of parents say it's "extremely" or "very" important that schools **prepare students to think critically across subject areas**, BUT only 29% think that's happening. (relevance)
- "There's a real question about education's return on investment. While we know that college degree is essential in today's economy, parents & **the public wants to see a clear connection between the public school system and the world of work.**" J.P. Starr, CEO PDK International

(That's what CTAE is all about.)

http://pdkpoll2015.pdkintl.org/wp-content/uploads/2016/08/pdkpoll48_2016.pdf

What's driving FY 16 CTAE work?



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- *Pathways to Prosperity Report*, Harvard University, Graduate School of Education, 2011 
- *Georgia Competitiveness Initiative Report*, January 2012 
- *The Governor's High Demand Career Initiative Report*, December 2014 

• *Pathways to Prosperity Report,* Harvard University, Graduate School of Education, 2011

- Most jobs (60%) will require **SOME** education or training beyond high school.
- A four-year college degree is not necessary for the majority of jobs (only 33% of jobs require a four-year or more college degree).
- There is a skills gap (plenty of jobs, but too few workers with needed skills).

• *Georgia Competitiveness Initiative Report*, January 2012

12 Regional meetings- state government & business community- looked at 6 key factors that drive economic development across all industries throughout Georgia

- Business climate
- **Education and Workforce Development***
- Innovation
- Infrastructure
- Global Commerce
- Government Efficiency & Effectiveness

*Single most important issue for 10 of the 12 Economic Development Regions and ranked as the second most important issue for the other 2 regions.

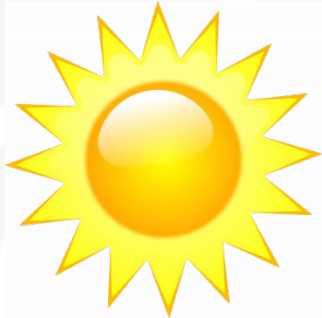


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• *The Governor's High Demand Career Initiative Report,* December 2014

- Continuation of *Georgia Competitiveness Initiative Report, 2012*
- *Overall Trends:*
 - Aging Workforce
 - More Internships, on-the-job Training and Co-ops
 - Soft Skills Are Crucial
 - Demand for Basic Educational Skills
 - Introducing STEM at Younger Age
 - Shortage of Local Skilled Trades Workers
 - Productive Partnerships with Workforce Development Resources
 - A diverse Workforce in STEM-Related Jobs

It's a new day for partnerships in career education.





Partners
Educating

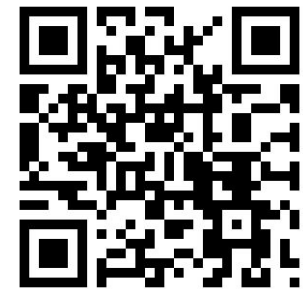


Georgia's

Future Workforce

Georgia Department of Education

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<http://gadoe.org/surveys/CTAE-FP5Q7ND>

