

There is no crying in baseball!

Georgia has aligned middle school CTAE courses to high school to help students transition and discover rigor, relevance, and relationship to state curriculum, and use CTSO co-curricular activities to help all students.

Standards, Instruction and Assessment Career, Technical and Agricultural Education

Creating a world-class workforce for Georgia in the 21st Century.

DIVISIONS

- ◀ [Communications](#)
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- ◀ [Testing](#)

VISION

"To create a secondary profile of career readiness for Georgia."

High School Career Pathways

- [Career Pathways Overview](#)
- [Career Pathways Phase I \(Implemented Fall 2007\)](#)
- [Career Pathways Phase II \(Implemented Fall 2008\)](#)
- [Career Pathways Phase III \(Implemented Fall 2009\)](#)
- [Career Pathways Description and Course Descriptions](#)
- [Career Pathways Course Numbers / Career Pathway Chart](#)
- [Phase IV Career Pathways Public Review Site - High School](#)
- [Phase II Program Area Public Review site - Middle School](#)

Program Delivery

- [Agriculture](#)
- [Architecture, Construction, Communication and Transportation](#)
- [Business and Computer Science](#)
- [CTSO Student Recognition](#)
- [Culinary Arts](#)
- [Education](#)
- [Family and Consumer Science](#)
- [Engineering and Technology](#)
- [Government and Public Safety](#)
- [Healthcare Science](#)
- [Marketing, Sales and Services](#)
- [Special Population](#)
- [Student Organizations](#)

Development and Transition

- [Career Development](#)
- [Career Related Education](#)
- [Education Career Partnerships](#)
- [High Schools That Work](#)
- [Industry Certification Standards](#)
- [JROTC](#)
- [Middle School Performance Standards](#)
- [Nontraditional Occupations](#)
- [Professional Development](#)
- [Youth Apprenticeship Program](#)

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NEWSLETTERS

- ◀ [March 2009](#)
- ◀ [December 2008](#)
- ◀ [November 2008](#)
- ◀ [June 2008](#)
- ◀ [May 2008](#)

» More



GaDOE –CTAE Conference Presentations

PRESENTATIONS

- ◀ [Pathways to the Future Delivery Introduction 1 of 7](#)
- ◀ [Georgia Work Ready: Pathways to the Future presentation 2 of 7](#)
- ◀ [Workforce Challenge with Proven Results: Pathways to the Future 3 of 7](#)
- ◀ [Education Career Planning: Pathways to the Future 4 of 7](#)
- ◀ [Education with a Purpose: Pathways to the Future 5 of 7](#)

» More



Agenda

- **Middle School Philosophy**
- **Middle School Programs**
- **Alignment process**
- **Fitting programs to needs**

- **I hear, and I forget. I see, and I remember. I do, and I understand.**
-- Chinese Proverb
- **In an effective classroom students should not only know what they are doing, they should also know why and how.**
-- Harry Wong

Quick Polling Questions

- **How many want students to be successful?**
- **How many believe all students should be able to support themselves in a career?**
- **How many believe students may graduate from college and still not have the requisite skills to engage in the world of work?**
- **Should students live w/ parents rest of their lives as part of the boomerang generation?**
- **What can we do to change these events?**

How many of you ...

- have 8th graders understanding and selecting their high school program of study before June 1?
- have 6th graders taking classes to help them select a potential career?



How many of you ...

- have advisor/advisee weekly sessions at your middle school?
- have 8th graders prepared to smoothly transition to high school and ready for HS courses?



WE WILL LEAD THE NATION IN IMPROVING STUDENT ACHIEVEMENT.

How many of you ...

- have attendance, test scores, and school climate issues in your school?
- have the chance to be the instructional leader in your school daily?

REPORT CARD				
GRADING PERIOD	1	2	3	4
READING	A			
WRITTEN COMMUNICATION	A			
MATHEMATICS	C			
SCIENCE/HEALTH	B			
SOCIAL STUDIES	B			
ART	A			
MUSIC	A			
PHYSICAL EDUCATION	C			
Grade Average	B			
Attendance:	Present	40		
	Absent	0		
	Tardy	1		
A = Excellent • B = Good • C = Satisfactory • N = Needs Improvement U = Unsatisfactory • I = Insufficient / Incomplete				
Student: _____ Grade: _____ Year: _____				

Are your students ready?

NewsLeader ■ JANUARY 2009

Middle Level Proves to Be Turning Point for College and Career Readiness

Academic achievement in eighth grade is greatest predictor for postsecondary success

THE LEVEL OF ACADEMIC achievement that students attain by eighth grade has a larger impact on college and career readiness than anything that happens academically in high school, according to a report released in December by American College Testing (ACT). *The Forgotten Middle* examines the specific academic and nonacademic factors that influence postsecondary success and how these factors have the greatest impact during a student's educational development.

"NASSP has long recognized the important role middle level education plays in preparing students for their future, and this report should serve as a call to action for national attention and a national initiative to support students in the middle grades," said NASSP Executive Director Gerald N. Tirozzi. "We believe that *The Forgotten Middle*, especially when coupled with the early identification and effective intervention research done at

Categories of Nonnegotiable Knowledge and Skills			
English	Mathematics	Reading	Science
• Organization, unity, and coherence	• Basic operations and applications	• Main ideas and author's approach	• Interpretation of data
• Word choice in terms of style, tone, clarity, and economy	• Probability, statistics, and data analysis	• Supporting details	• Scientific investigation
• Sentence structure and formation	• Concepts and properties of numbers	• Sequential, comparative, and cause-effect relationships	• Evaluation of models, inferences, and experimental results
• Conventions of usage	• Expressions, equations, and inequalities	• Meanings of words	
• Conventions of punctuation	• Graphical representations	• Generalization and conclusions	
	• Properties of plane figures		
	• Measurement		

education, we cannot wait until high school to begin that work."

Patti Kinney, NASSP associate

The ACT report analyzed data from approximately 216,000 students in the 2005 and 2006

English, mathematics, reading

(grades 11–12). By measuring the four EXPLORE scores in

English, mathematics, reading

students' family background, school coursework, or high school grade point average." Six results were found for racial and ethnic minority students and the data was analyzed by student annual family income level.

ACT also collected data on students at 24 middle schools throughout the nation to examine the role that academically related psychosocial factors play in predicting course failure in the eighth grade and school grade point average in the ninth grade—two important indicators in predicting future academic success. The ten factors were academic discipline, commitment, family attitude, family involvement, optimism, orderly conduct, relationships with school personnel, safety, steadiness, and timing before acting. The findings showed that academic discipline and steady conduct were the

Career Development critical

ScienceDaily

Web address:

<http://www.sciencedaily.com/releases/2009/05/090519134711.htm>

Your source for the latest research news

Tying Education To Future Goals May Boost Grades More Than Helping With Homework

ScienceDaily (May 21, 2009) — Helping middle school students with their homework may not be the best way to get them on the honor roll. But telling them how important academic performance is to their future job prospects and providing specific strategies to study and learn might clinch the grades, according to a research review.

"Instilling the value of education and linking school work to future goals is what this age group needs to excel in school, more than parents' helping with homework or showing up at school," said lead researcher Nancy E. Hill, PhD, of Harvard University. She examined 50 studies with more than 50,000 students over a 26-year period looking at what kinds of parent involvement helped children's academic achievement.

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Alien Song

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WE WILL LEAD THE NATION IN IMPROVING STUDENT ACHIEVEMENT.

- **Can you put a student's face on the Alien in this song?**
- **How many times do student's feel like they have the world in their hands and then WHAM!**
- **What type of resource(s) are in place to help these students in middle school?**
- **Are they effective?**
- **Who is in charge of implementing resource(s)?**

Students Need To:

1. Obtain Information / Data

2. Evaluate Information / Data

3. Use Information / Data

*Preparing Students for Their Future presentation, Dr. Willard R. Daggett,
International Center for Leadership in Education, April 19, 2009*

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- **What is missing in the middle school?**
- **What can we do currently to help students struggling to make SIP and AYP goals?**
- **Not looking for excuses or pointing fingers, but what resources are available for middle school students?**

21st Century Learning Students



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Continuous Improvement

**Middle & High
School
Redesign
CTAE
Connection**

- **Rigor**
- **Relevance**
- **Relationships**

Ensure RIGOR

Challenge all students with high expectations



Provide RELEVANCE

Help students connect their studies to the real world

Build RELATIONSHIPS

Enter supportive relationships
between students and adults



Goals of the New Curriculum

- **Set high expectations for all students**
- **Align to national level standards**
- **Increase rigor**
- **Guide teaching and learning**
- **Align assessments and accountability to curriculum**



CTAE Georgia Performance Standards

Litmus Test

- **Academic Alignment**
- **Career Awareness and Discovery**
- **Technical Skill Foundational Introduction**
- **Workplace Readiness/Foundation Skills**
- **Secondary Alignment to Career Pathways**
- **CTSO Membership Opportunities**

- **Are all students prepared for the new curriculum expectations?**
- **Are students ready to make transition from middle to high school?**
- **Is the self-esteem of at-risk students ready for the high school tribulations?**
- **What can we do to help students be prepared?**

Additions to GA Middle School CTAE

- **CTAE starting to offer local systems more program choices for middle schools**
- **Goal is to hook and engage students on workforce options regionally while in middle school**
- **Focus on aligning students to local high school programs to master essential work skills by**
 - **Students learning pre-pathway skills in middle school**
 - **Supporting high school programs and CTSOs**
 - **Keeping more students enrolled in school and learning**
 - **Helping middle schools meet AYP through CTAE courses by implementing increased rigor and relevant standards and unit resources**

- **Are students prepared to make their Career Pathway selection before leaving middle school?**
- **Have we uncovered every option available to help all students be successful?**
- **Are we prepared to help all students to be successful and graduate from high school?**



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Why the changes?

- **Changes made to align and consolidate programs with career clusters**
- **Georgia has 11 active HS program concentrations “career clusters”**
- **Program name changes made to better define content and pathways within each area**
- **Curriculum rewritten to align to GPS and CTAE Standards and meet current student, economic needs across Georgia’s diverse regions**

Georgia Middle School CTAE

- **In Georgia, we have six program areas available for schools to implement**
 - **Agriculture**
 - **Business and Computer Science**
 - **Career Development**
 - **Family and Consumer Sciences**
 - **Engineering and Technology**
 - **Healthcare Science**

Georgia Middle School CTAE

- **In Phase II of curriculum development, we have added three more program offerings**
 - Architecture, Construction, Communications, & Transportation
 - Government and Public Safety
 - Marketing, Sales & Services
- **Curriculum currently on Georgia State Board of Education table for 90 day public review**
 - **Proposed implementation in Fall 2010**

Agriculture

Georgia Program Concentrations

Architecture, Construction, Communications & Transportation

Healthcare Science

Healthcare Science

Healthcare Science Grade 6
Healthcare Science Grade 7
Healthcare Science Grade 8

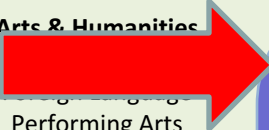
Agriculture

Agriculture Education Grade 6
Agriculture Education Grade 7
Agriculture Education Grade 8

Architecture, Construction, Communication, Transportation

Architecture and Construction Grade 6
Architecture and Construction Grade 7
Architecture and Construction Grade 8
Communications Grade 6
Communications Grade 7
Communications Grade 8
Transportation Grade 6
Transportation Grade 7
Transportation Grade 8

Arts & Humanities



Performing Arts
Visual Arts



Middle School Students

**Career Development
Teachers As Advisors
Sound Transition Process
Select Career Pathway
Graduate Prepared for
Work, School and Success**



Arts & Humanities

Career Development

Career Awareness Grade 6
Career Discovery Grade 7
Career Management Grade 8

Family & Consumer Sciences

Family Consumer Science

Family and Consumer Science Grade 6
Family and Consumer Science Grade 7
Family and Consumer Science Grade 8

Culinary Arts
Education



Business & Computer Science

Business and Computer Science Grade 6
Business and Computer Science Grade 7
Business and Computer Science Grade 8

Engineering & Technology

Exploring Engineering and Technology Grade 6
Invention and Innovation Grade 7
Technological Systems Grade 8

Engineering & Technology

Marketing Sales & Services

Marketing Sales & Services Grade 6
Marketing Sales & Services Grade 7
Marketing Sales & Services Grade 8

Government & Public Safety

Govt. & Public Safety

Public Safety and Government Grade 6
Public Safety and Government Grade 7
Public Safety and Government Grade 8

Business & Computer Science

Marketing Sales & Services



Getting the Process Started

- **Invited members of local school systems to assist in open discussion concerning the CCAE and Project Success**
- **Conducted three regional meeting across the state – Gwinnett, Covington, and Tifton**
- **Discuss current Programs and activities**
- **Assisted in formulating new ideas for programmatic improvement**

Committee Work

- **Meetings held in 2009 to analyze ways to improve GCSA and Project Success in Georgia Schools.**
- **Idea brought up to offer these co-curricular activities and class resources to our students**
- **Many schools lack resources, tools to help students that fall through the cracks, get lost in shadows**
- **What else can we do?**

Committee Results Publication

- **Reinitiated a statewide dialogue about CCAE & Project Success and GCSA growth**
- **The publication highlighted the statewide meetings, ideas, resources for system directors and teachers to implement**
- **Advantages of the program**
- **Outlined in the publications are the benefits of the program**

Advantages of CCAE/PS in your school

- Curriculum Matched to GPS format with Academic Standards
- Graduation rate impacted by CTSO involvement
- Assist in increasing graduation rates
- Increase academic performance



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Advantages of the Program

- Implement strategies to improve postsecondary school outcomes
- Earn Vocational Lab Weight
- Utilize Carl D. Perkins funding for implementing and improving programs
- Third tier intervention



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Guidance key for MS CTAE

- **Transition process from middle to high school needs to include career pathways for students**
- **Guidance activities in elementary, middle and high school confirm or adjust career goals**
- **Graduation coaches, teachers, counselors, advisors can hook all students into CTAE for post-secondary**
 - **There is a place in CTAE for students interested in being doctors, accountants, teachers, architects, and other professionals in addition to trade-skilled careers**

More gains

- **If we can hook students in middle school to stay in school, learn a trade skill while mastering core academic skills in CTAE, and connect to a Career Pathway helping students' graduate, then**
 - **AYP results will improve for schools**
 - **Attendance indicators could improve**
 - **Graduation indicators could improve**
 - **Amount of skilled workers, apprenticeships, 2- and 4-year college enrollees could increase**
 - **Economic gains made around state from middle school CTAE courses**
 - **Proof from one middle school thus far**

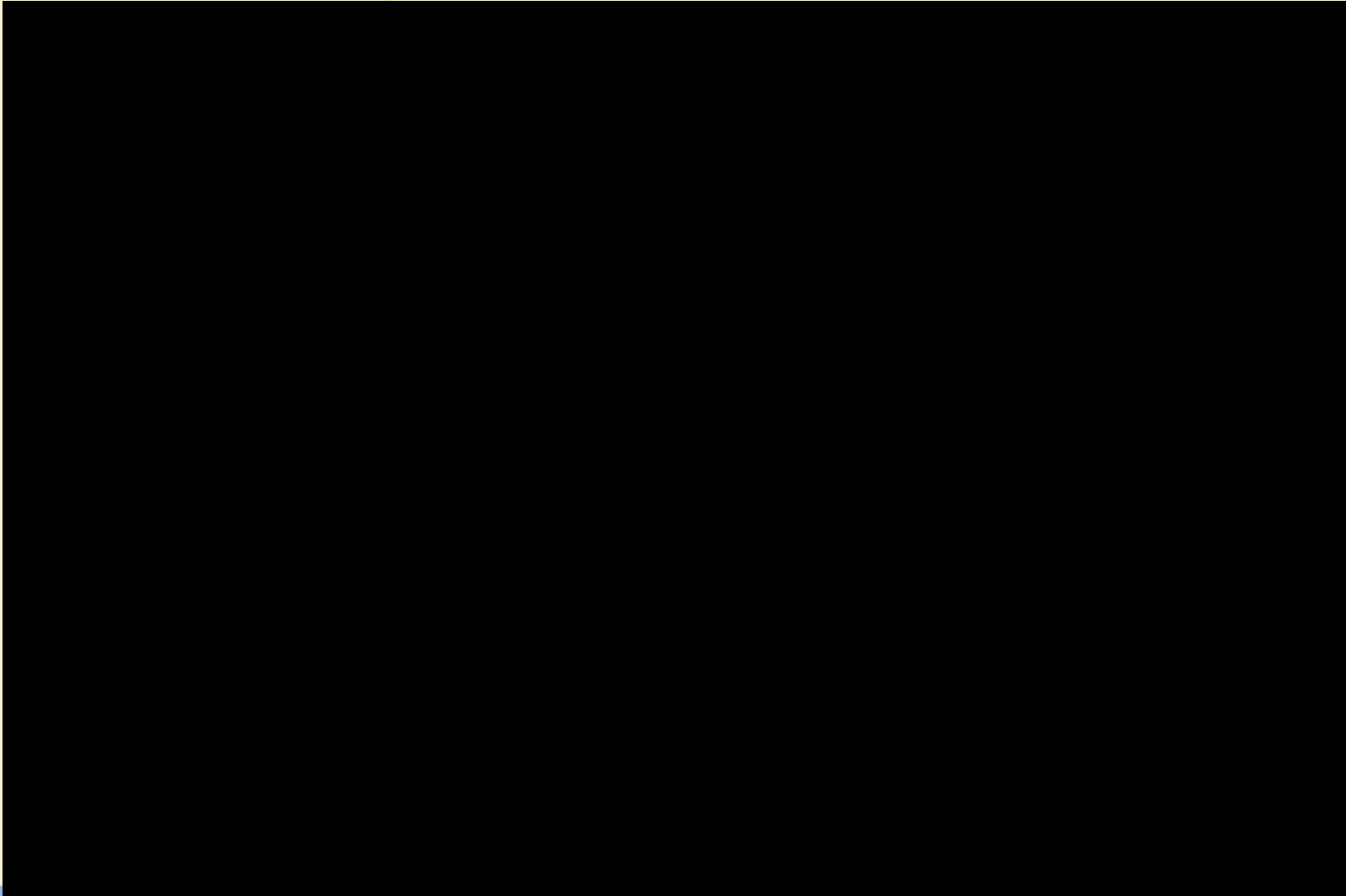
Time for change

- **Changes being made to:**
 - help students make connection to HS career pathways through aligned middle school courses
 - help students connect and identify career options of their liking with Career Development courses
 - Also aligned to National Career Development Standards
 - motivate “borderline” students to stay in school and learn
 - help Georgia’s economy
- **Research supports these changes**

If not,

**We could have
students end up in a
similar situation.**

What if ... ?



WE WILL LEAD THE NATION IN IMPROVING STUDENT ACHIEVEMENT.

- **If not me, then who?**
- **If not now, then when?**

- **The time is now to add CTI and GCSA to middle school**
- **We need to work together to make it happen**
- **Become a part of the team to help our students**

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