

Disrupting

for Excellence

November 14, 2023
Fall CTAE Advisory Meeting



Total DCSD Student Population

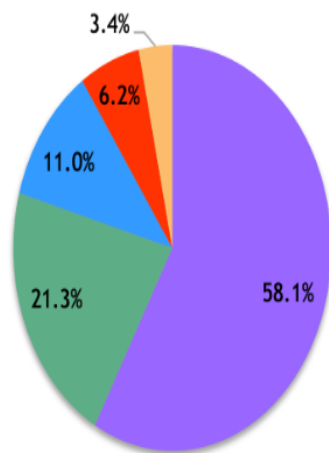
92,672



51.2%



48.8%



Racial Breakdown

- Black: 53,838 (58%)
- Hispanic: 19,718 (21%)
- White: 10,238 (11%)
- Asian: 5,733 (6%)
- Other: 3,145 (3%)

DeKalb County, Georgia

Metro Atlanta Counties



DeKalb



DeKalb County Schools Demographics

School Type	Number of Campuses
Elementary	77
Middle	19
High	22
Specialty	12
Programs	8



Career, Technical &
Agricultural Education

- **VISION:**

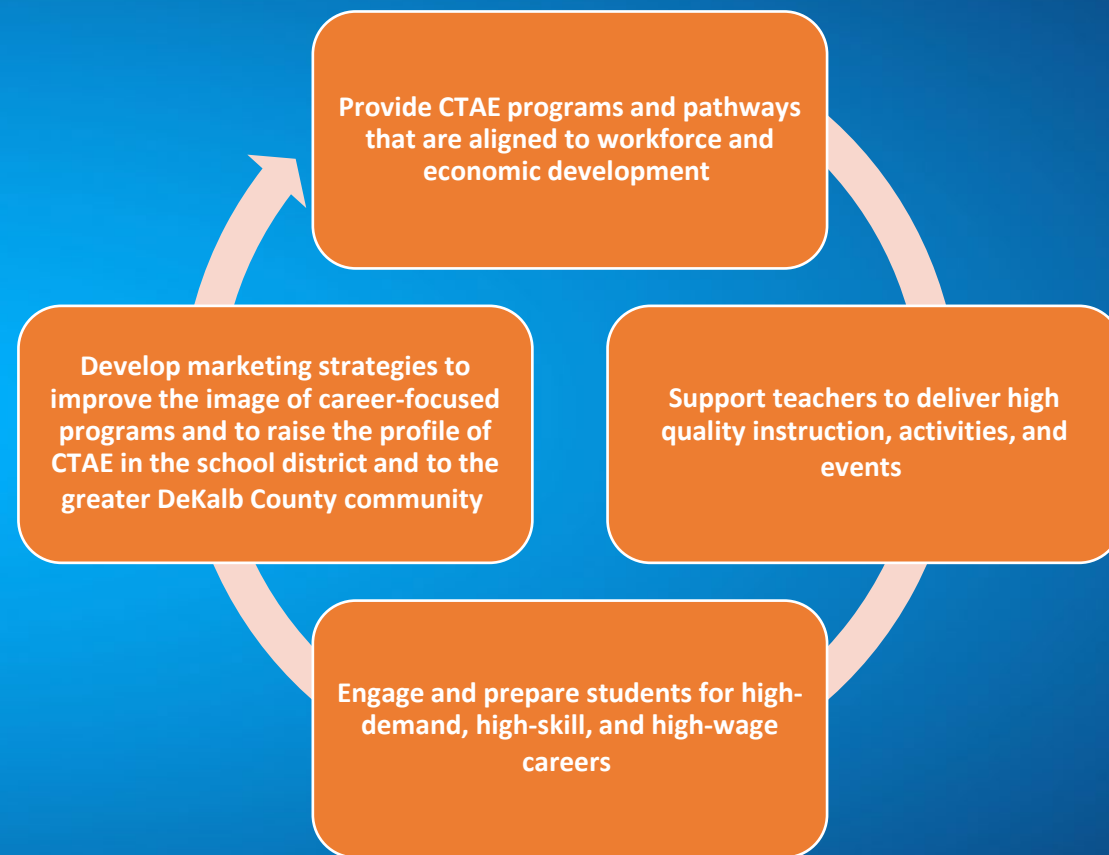
We believe that all students can and should be equipped to pursue a meaningful career, strengthen their community, and drive economic prosperity.

- **MISSION:**

In pursuit of this vision, we will collaborate with industry and community partners to provide high-quality educational experiences for students to prepare them for workplace success.



Our Work



CTAE At-A-Glance

- 49 High School Pathways across the 17 career clusters
 - Pathways by School
- 5 Middle School Pathways
 - AV Technology, Business, Computer Science, Engineering Technology, and Family Consumer Science
- 3 Career Tech High Schools
 - DeKalb High School of Technology North
 - DeKalb High School of Technology South
 - Warren Technical High School
- 33 Certified STE(A)M Schools
- Over 30,000 students enrolled in CTAE courses
 - MS Enrollment - 15,500 students
 - HS Enrollment - 19,800 students



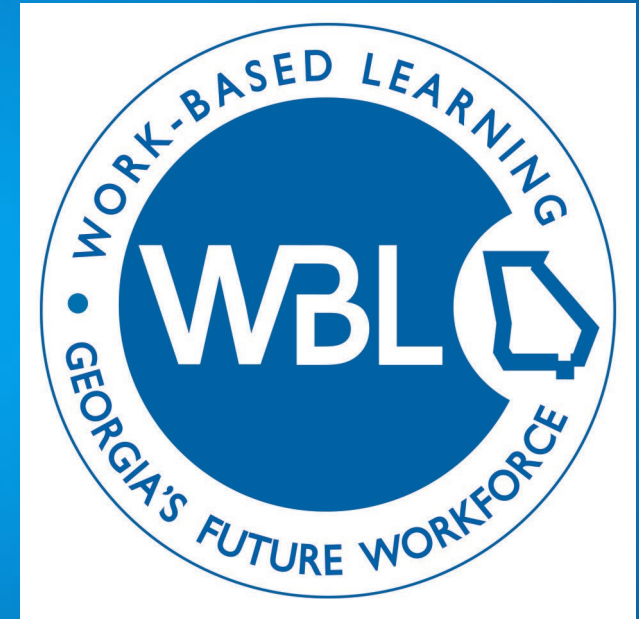
Current Pathway Offerings

Agriculture, Food & Natural Resources	• Agriculture Leadership in Plant Science • Plant and Landscape Systems
Architecture & Construction	• Carpentry • Electrical • Masonry • Plumbing
Arts, A/V Technology & Communications	• Audio Video Technology and Film I • Graphic Communication
Business Management & Administration	• Business and Technology • Entrepreneurship
Education & Training	• Early Childhood Care and Education I • Teaching as a Profession
Energy	• Energy Systems
Finance	• Business Accounting
Government & Public Administration	• Air Force JROTC • Army JROTC • Navy JROTC
Health Science	• Therapeutic Services/Dental Science • Therapeutic Services/Allied Health and Medicine • Therapeutic Services/Patient Care • Therapeutic Services/Sports Medicine

Hospitality & Tourism	• Culinary Arts • Hospitality & Tourism
Human Services	• Interiors, Fashion and Textiles • Nutrition and Food Science • Personal Care Services –Cosmetology • Personal Care Services –Esthetics
Information Technology	• Computer Science • Cybersecurity • Game Design • Programming • Web and Digital Design
Law, Public Safety, Corrections & Security	• Law Enforcement Services/Criminal Investigations
Manufacturing	• Manufacturing
Marketing	• Fashion, Merchandising and Retail Management • Marketing and Management • Sports and Entertainment Marketing
Science, Technology, Engineering & Mathematics	• Engineering Drafting and Design • Engineering and Technology
Transportation, Distribution & Logistics	• Automobile Maintenance and Light Repair

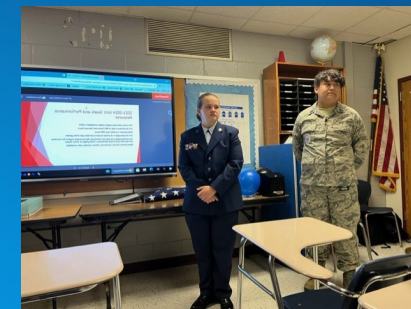
Work-Based Learning/Youth Apprenticeship Programs

- 1,204 WBL/YAP students enrolled across the district
- \$ 3,312,990 wages earned 2022-23
- 862 local business currently employing students
- 22 High School with WBL
- 12 WBL teachers district wide



CTAE At-A-Glance (JROTC)

Branch	# of Units
Air Force	5
Army	2
Navy	9
Total	16





Inspiring the Next Generation of Innovators

Highlights

- 33 Certified STE(A)M schools
- Home of Amazon Future Engineer Teacher of the Year
- Samsung Solve for Tomorrow Challenge Top 5 School
- Home of ITEEA Elementary Global Design Challenge Winner
- Local, regional, and national competition placements
- STE(A)M Instructional Framework
- Foundational support for CTAE pathways and Work-Based Learning

Ways to Elevate Student Learning

- Learning walks, instructional rounds, and site visits
- Professional development
- Coaching support
- Strategic partnerships for pilot programs, grants, and research initiatives
- Support for STE(A)M certification and recertification
- Collaboration with other departments for continuous improvement
- Resources on the DCSD STEM Sharepoint site

Feel free to follow @DCSDSTEM
on these social
media platforms.



Instagram



**Contact Andrea Wright, District STEM
Coordinator, for more information about
the DCSD STEM Initiative.**

Career and Technical Student Organizations (CTSO) Membership

Organization		Membership
2023		
CTI	Career and Technical Instruction	174
DECA	Distributive Education Club of America	655
FBLA	Future Business Leaders of America	1531
FCCLA	Family, Career, and Community Leaders of America	1507
FFA	Future Farmers of America	111
TSA	Technology Student Association	779
HOSA	Health Occupations Students of America	477
Skills USA	Skills USA	269



Other Student Organizations/Competitions

- FIRST Robotics (ENG)
- VEX Robotics (ENG)
- Electrathon Car Race (ENG)
- Girls Who Code
- Girls Who Game (STEM)
- G3 Drones for Good Competition (STEM)
- Network for Teaching Entrepreneurship (NFTE)
- SeaPerch Competition (STEM)
- Student Television Network (AVTF)
- Technology Education and Literacy in Schools (TEALS)
- Georgia ProStart Culinary Competition (CA)



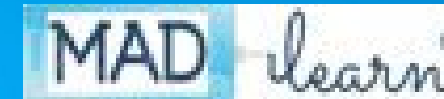
Industry Certified Programs

School Name	Program Area
Chamblee Charter HS	Audio/Video Technology & Film
Dunwoody HS	Audio/Video Technology & Film
Arabia Mountain HS	Business/IT/Finance
Cedar Grove HS	Business/IT/Finance
Chamblee Charter HS	Business/IT/Finance
Cross Keys HS	Business/IT/Finance
Lithonia HS	Business/IT/Finance
Redan HS	Business/IT/Finance
Stephenson HS	Business/IT/Finance
Stone Mountain HS	Business/IT/Finance
Miller Grove HS	Culinary Arts
Cedar Grove HS	Early Childhood Education
Columbia HS	Early Childhood Education
Miller Grove HS	Early Childhood Education
Warren Technical Center	Early Childhood Education
Arabia Mountain HS	Engineering & Technology
DeKalb HS Tech/South	Engineering & Technology
Druid Hills HS	Engineering & Technology
Lithonia HS	Engineering & Technology
Stone Mountain HS	Engineering & Technology
Towers HS	Engineering & Technology
Dunwoody HS	Marketing
Miller Grove HS	Marketing
Lithonia HS	Marketing*

- Currently have 24 industry certified programs
- Expecting 7 programs to be recertified during the 2023-2024 school year

CTAE Program Highlights

- Culinary Arts “Battle of the Brigade” partnership with The Shular Institute and FarmEd Kitchen and Bar
- Business and Computer Science partnerships with NFTE Entrepreneurship and MADLearn App Development programming
- Engineering partnership with Purdue University
 - Learning by Evaluating and Neu-pulator Robotics projects
- AVTV Film DeKalb Student Film Festival – annual film festival in partnership with the Dekalb Entertainment Commission and ReImagine



The Shular Institute and DeKalb CTA Culinary Arts Presents

RESTAURANT TAKE-OVER

Battle of the Brigades

ROUND ONE

Teams	School Name	Take-Over Dates
1	Clarkston High School	Wednesday, November 8, 2023
2	McNair High School	Friday, November 10, 2023
3	Redan High School	Tuesday, December 5, 2023
4	Lakeside High School	Friday, December 8, 2023
5	Stephenson High School	Tuesday, December 12, 2023
6	Miller Grove High School	Thursday, January 11, 2024
7	Tucker High School	Thursday, January 18, 2024
8	Arabia High School	Wednesday, January 31, 2024

FOR MORE INFO:

SPECIAL THANKS TO OUR SPONSORS:



Top 5 Business/Industries

- **Advanced Manufacturing –**
 - 545 manufacturers
 - Employs over 12,500 people in DeKalb County
- **Healthcare and Life Sciences**
 - Home to companies such as the CDC, Quest Diagnostics, and Children's Healthcare of Atlanta
 - Emory University and Emory Healthcare is the Metro Area's largest employer
- **Logistics and Distribution**
 - 468 transportation and warehouse facilities in DeKalb
 - Over 15,000 jobs currently in the industry
- **Corporate Operations and Business Services**
 - State Farm, Cox Automotive, Krystal and The Weather Company bring over 30,000 jobs to DeKalb
- **Film and Digital Entertainment**
 - Gray TV, Shadow Box and Third Rail motion are all studios in DeKalb County
 - 23% of all motion picture and sound production stages in the Metro Atlanta area are in DeKalb County



What's Up Next for DeKalb CTAE

- **Revising Current Over Arching Needs**
 - Support subgroups that continue to perform poorly in Academic Core Indicators (ELA, Math, and Science)
 - Professional Development for teachers to teach new and emerging pathway areas in high tech, in-demand career fields
 - Update computer and other critical equipment that do not meet industry standards in high tech, in-demand CTAE pathway areas
- **Researching the College and Career Academy Grant and Application Process**
- **Expanding Middle School CTAE**
 - Every MS offer the Career Development Pathway
 - Offer additional MS CTAE Pathways
 - Agriculture, AVTV Film, and Transportation







DeKalb County
School District

Career, Technical &
Agricultural Education