

Welcome!



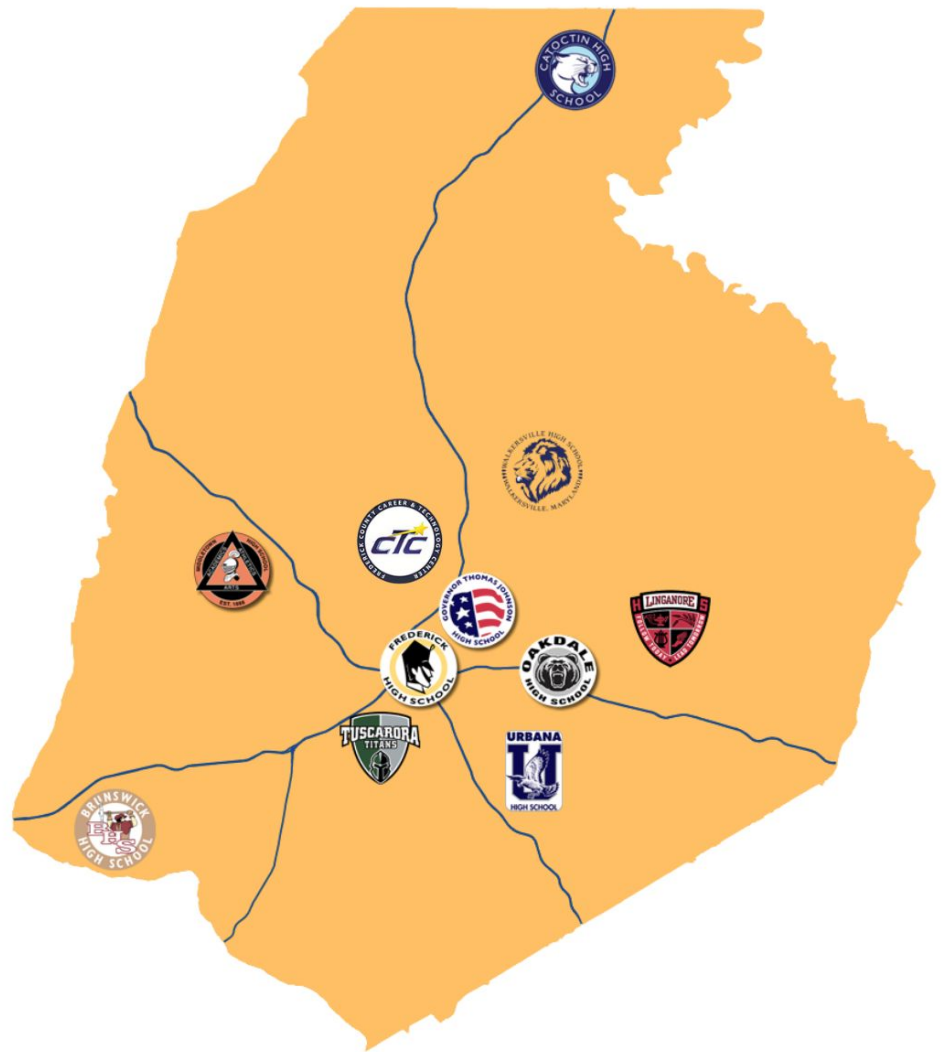
Domain: FCPSTGuest
Username: CTCguest@fcps.org
Password: CTC978

“Fastest Growing County”



*11.5% Population
growth from 2020
to 2025*

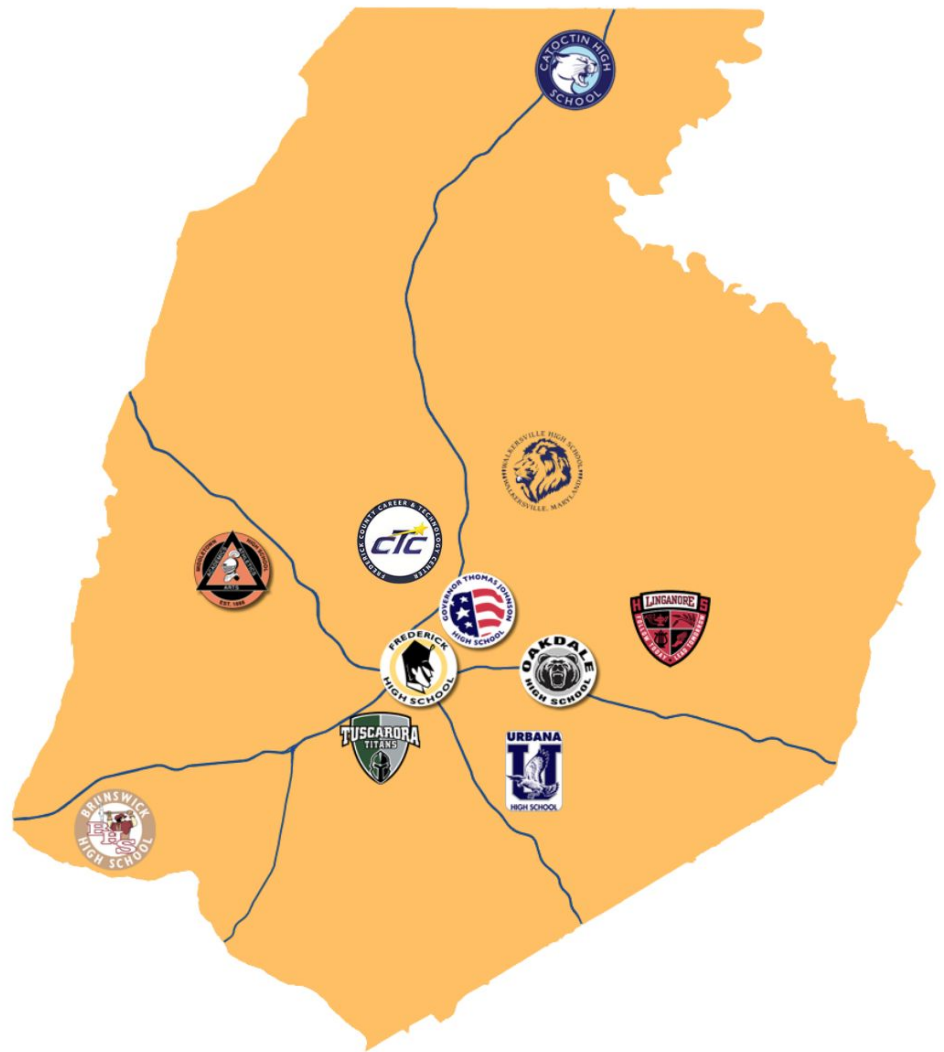
8% grown by 2030



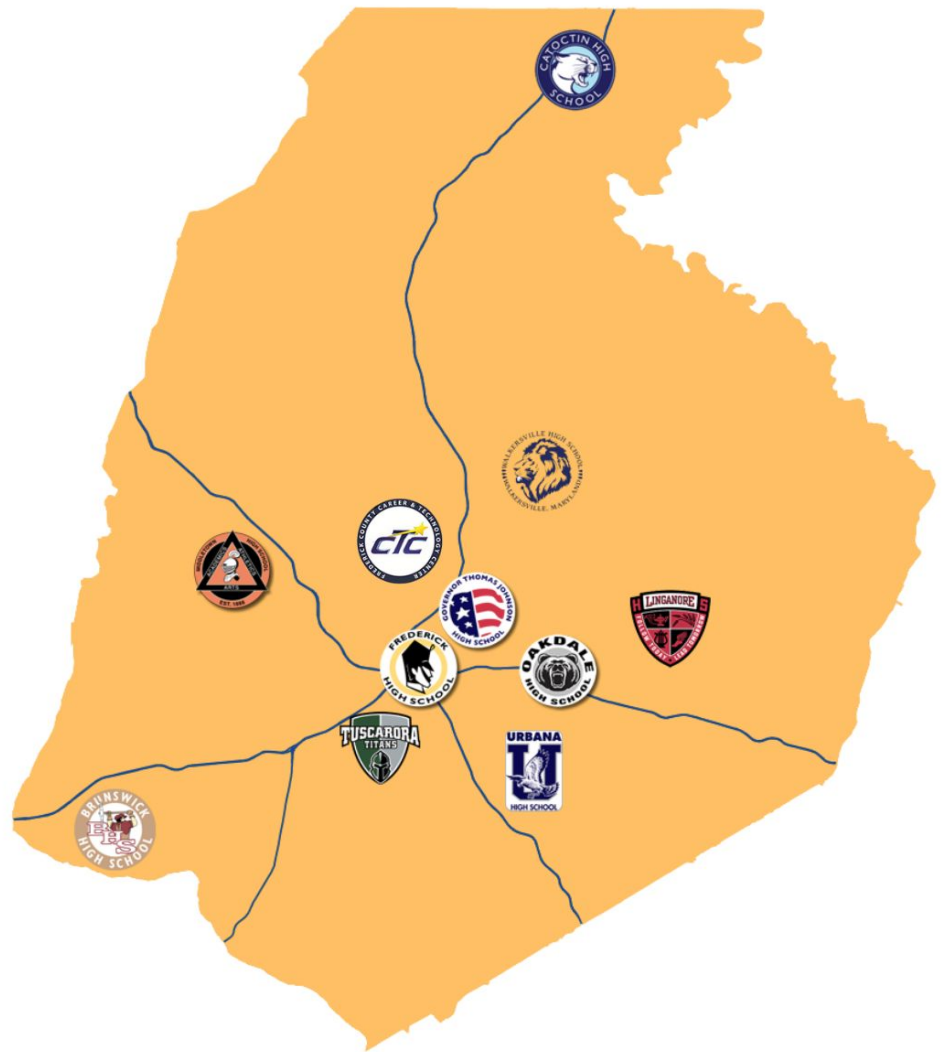
Enrollment:

*9% growth over 5 years
47,000+ students*

*~19% projected Increase
enrollment
~57,000 in 2033*



*39 Elementary Schools
13 Middle Schools
10 High Schools
1 Virtual School (MS HS)
1 Career and Tech Center*



CTE By the Numbers (2025-2026 Data)

- 9 Middle School CTE Classes in 3 Pathways
- 347 8th graders took at least 1 CTE class in 6th, 7th, and 8th
- 45 CTE programs (23 at CTC)
- 91+ Unique IRCs
- 2,388 unique students earned an IRC
- 4 CTSOs (29 chapters)
- 995 unique students in WBL
- 63 Youth Apprentices
- 1,200 Concentrators
- 1,283 Completer

SY26/27 CTE Data Hot Sheet				
Key Drivers				
1. Federal Legislation: Strengthening Career and Technical Education for the 21st Century Act (Perkins V)				
2. MD Legislation: Blueprint for Maryland's Future , COMAR, Graduation Requirements				
3. MSDE: CTE Program , Industry Recognized Credentials, Apprenticeship, Career Connected Learning				
4. Industry Alignment: Workforce and Labor Needs				
5. Equity: Student Access, Performance, and Persistence				
6. Resources: Budget, Facility, Staffing, etc.				
High-Quality CTE Programming		Career Clusters		
1. Standards-aligned and Integrated Curriculum		1. Arts, Entertainment, and Design		
2. Sequencing and Articulation		2. Financial Services		
3. Student Assessment		3. Management and Entrepreneurship		
4. Prepared and Effective Program Staff		4. Marketing and Sales		
5. Engaging Instruction		5. Construction		
6. Access and Equity		6. Hospitality, Events, and Tourism		
7. Facilities, Equipment, Technology and Materials		7. Agriculture		
8. Business and Community Partnerships		8. Energy and Natural Resources		
9. Student Career Development		9. Health and Human Services		
10. Career and Technical Student Organizations		10. Education		
11. Work-based Learning		11. Public Service and Safety		
12. Data and Program Improvement		12. Digital Technology		
		13. Advanced Manufacturing		
		14. Supply Chain and Transportation		
MS CTE Pathways				
Program Area	Course Name	6th	7th	8th
Business & Consumer Science	Agriculture	x		
	Pathways To Success		x	
Computer Science	Applied Business & Marketing		x	
	Computer Science Explorations	x		
Engineering	Computer Science Investigations		x	
	Applied Computer Science			x
	Engineering Explorations	x		
	STEM Innovators		x	
	Applied Engineering			x
Grand Total				11037
Note: These numbers do not represent unique students; a student may be counted twice in a class (i.e. Fall + Spring) depending on how they are scheduled.				
HS CTE Pathways (Comprehensive Schools)- 22 Pathways				
CTE High School Pathway	#	High Schools Offering Pathway		
Agriculture (2 pathways: Vet and Hort)	8	BHS, CHS, FHS, LHS, MHS, OHS, THS, UHS, WHS		
Architecture, Engineering, and Construction Management	5	BHS, CHS, MHS, LHS, WHS		
Automotive Mechanics	7	FHS, GTJHS, LHS, OHS, THS, UHS, WHS		
Business Management & Finance (4 pathways: Marketing, Management, Finance, Admin)	1	BHS (in CTC)		
Career Research & Development (Phasing out)	10	BHS, CHS, FHS, GTJHS, LHS, MHS, OHS, THS, UHS, WHS		
Child Development	8	BHS, CHS, FHS, GTJHS, LHS, OHS, THS, UHS		

Blueprint 45%

Over 100 IRC opportunities

APPROVED IRCs Earned

SY26 - 2,388

SY25 - 1,077

SY24 - 866

SY26 = 24%

9%

Growth

for SY26 Graduates

Highlights:

- CTC = 80%+
- BHS and FHS = 32%
- CHS, MHS, OHS, LHS , THS, WHS= 24-26%

The background is a solid blue color with several large, semi-transparent gear shapes scattered across it. The gears are in various sizes and orientations, creating a mechanical or industrial theme.

**High-Quality CTE
programming that equips all
students for the workforce!**

The background is a solid blue color with several light blue gear icons of different sizes scattered across it. The text is centered and reads:

High-Quality CTE
programming that equips all
students for the workforce!

High Quality CTE Framework

1 Standards-aligned & Integrated Curriculum



2 Sequencing & Articulation



3 Student Assessment



4 Prepared & Effective Program Staff



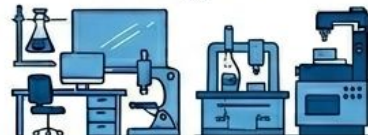
5 Engaging Instruction



6 Access & Equity



7 Facilities, Equipment, Technology & Materials



8 Business & Community Partnerships



9 Student Career Development



10 CTSOs



11 Work-based Learning



12 Data & Program Improvement



The background of the slide is a solid blue color. It features several faint, light blue gear shapes of different sizes scattered across the surface, creating a mechanical or industrial theme.

High-Quality CTE
programming that equips all
students for the workforce!

“Prepared” vs “Equipped”

Prepared means having what you need.

Equipped means having what you need ...and knowing how to use it, who to turn to, and how to adapt along the way. It is tangible!



THE “EQUIPPED” STUDENT: A PROFILE BASED ON CRQ-A DOMAINS.



KNOWLEDGE & SKILLS RESOURCES

OCCUPATIONAL EXPERTISE



Perceived occupational-specific knowledge and skills related to a desired career.

LABOR MARKET KNOWLEDGE



Understanding of labor market opportunities, trends, and career pathways.

SOFT SKILLS



Transferable competencies that can be applied across a variety of occupations.



MOTIVATION

CAREER INVOLVEMENT



Emotional attachment to and perceived importance of work and career development.

CAREER CONFIDENCE



Belief in one's ability to successfully manage career tasks and challenges.

CAREER CLARITY



Degree to which an individual has clear career goals and direction.



ENVIRONMENT

SOCIAL SUPPORT – SCHOOL



Perceived career-related support received from school personnel or structures.

SOCIAL SUPPORT – FAMILY



Perceived encouragement and assistance from family related to career development.

SOCIAL SUPPORT – PEERS



Perceived support from friends or classmates related to career planning and development.



CAREER MANAGEMENT ACTIVITIES

NETWORKING



Building and maintaining relationships that may help support career development.

CAREER EXPLORATION



Actively gathering information about occupations, industries, and career pathways.

SELF-EXPLORATION



Reflecting on personal interests, strengths, and preferences related to careers.

***NOTE:** An “equipped” student shows strength and development across all these interdependent areas for successful career progression.*

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**High-Quality CTE
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students for the workforce!**

Career Coaches

22 Career Coaches (FCPS Hired)

2 Career Coach Coordinators

- 1 FCPS Career Coach
- 1 Workforce services

1 Business Liaison

The logo for xello, featuring the word "xello" in a lowercase, sans-serif font. The letter "o" is stylized with a green dot and a white outline.

Mobile Safety Lab



Reserve Grant: \$70K

Supporting students with
earning an OSHA 30
certification

Coming to schools
Materials and Supplies
Hands-on learning



Foundation Industries

Agriculture, Hospitality and Tourism, Transportation, distribution, and logistics

Major Employers

Healthcare, Education, Government, and Retail

Targeted Growth Industries

Life sciences, advanced manufacturing, Professional and tech services, construction & skilled trades.

Strong Partnerships



Frederick County Public Schools

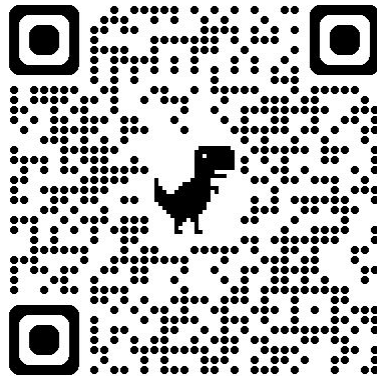


FREDERICK COUNTY
CAREER & TECHNICAL EDUCATION
ADVISORY COUNCIL



A Phenomenological Study Exploring Administrators' Experiences Supporting CTE Teacher Self-Efficacy

<https://bit.ly/KS26dissertation>



Welcome!

