

# The ABCs of CTE: Expanding Career Tech in Middle School



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**Today's  
Discussion:**

**The ABCs of  
Middle School  
Career  
Technical  
Education**

Career Advising Data

Benefits of CTE

Courses and CTE Logistics

Promising Practices

Q & A

# Advance CTE



**THEN**  
VOCATIONAL  
EDUCATION

vs.

**NOW**  
CAREER TECHNICAL  
EDUCATION



for a Few Students

vs.



for **ALL STUDENTS**



for a Few "Jobs"

vs.



for **ALL CAREERS**






Terminal

vs.



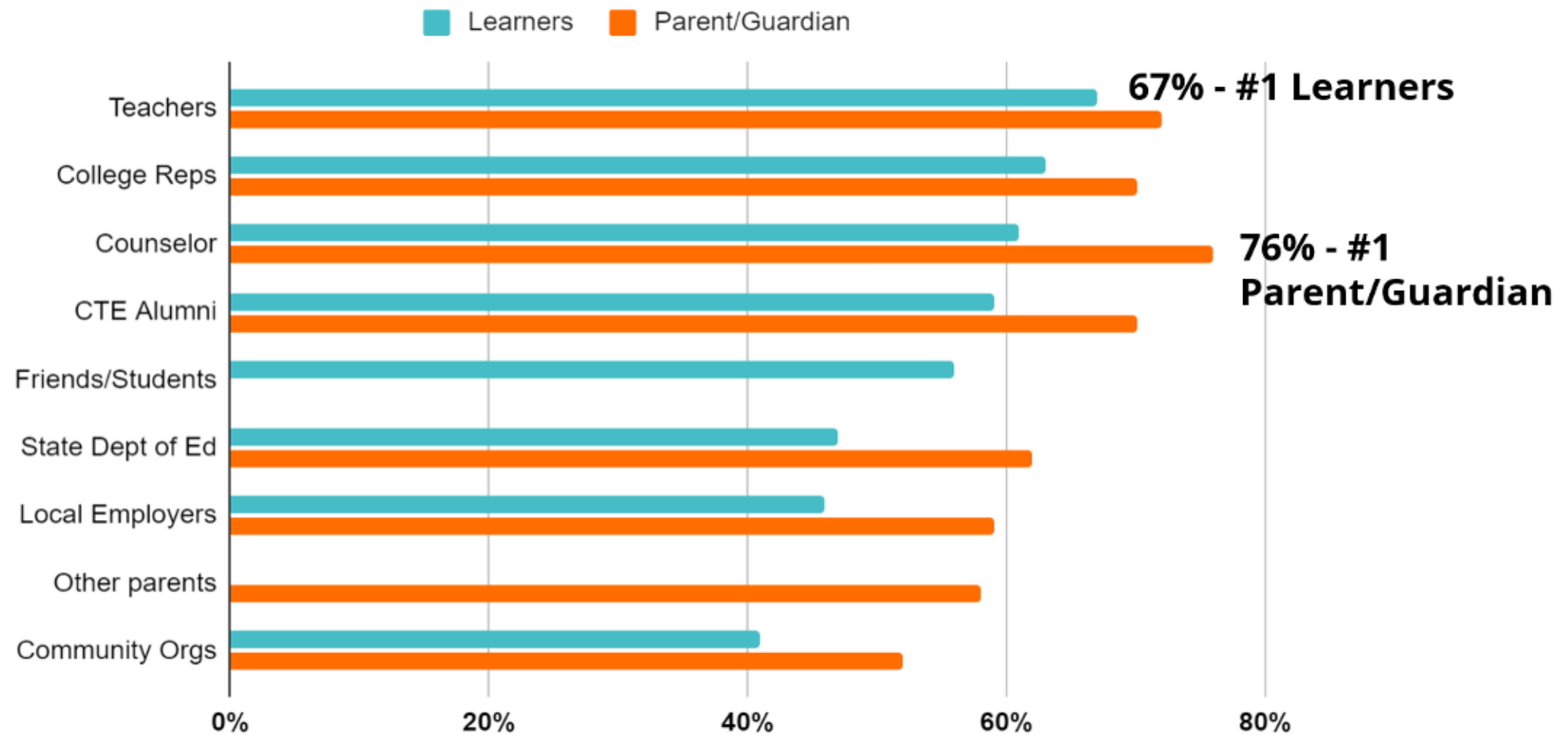
**LIFE-LONG LEARNING**



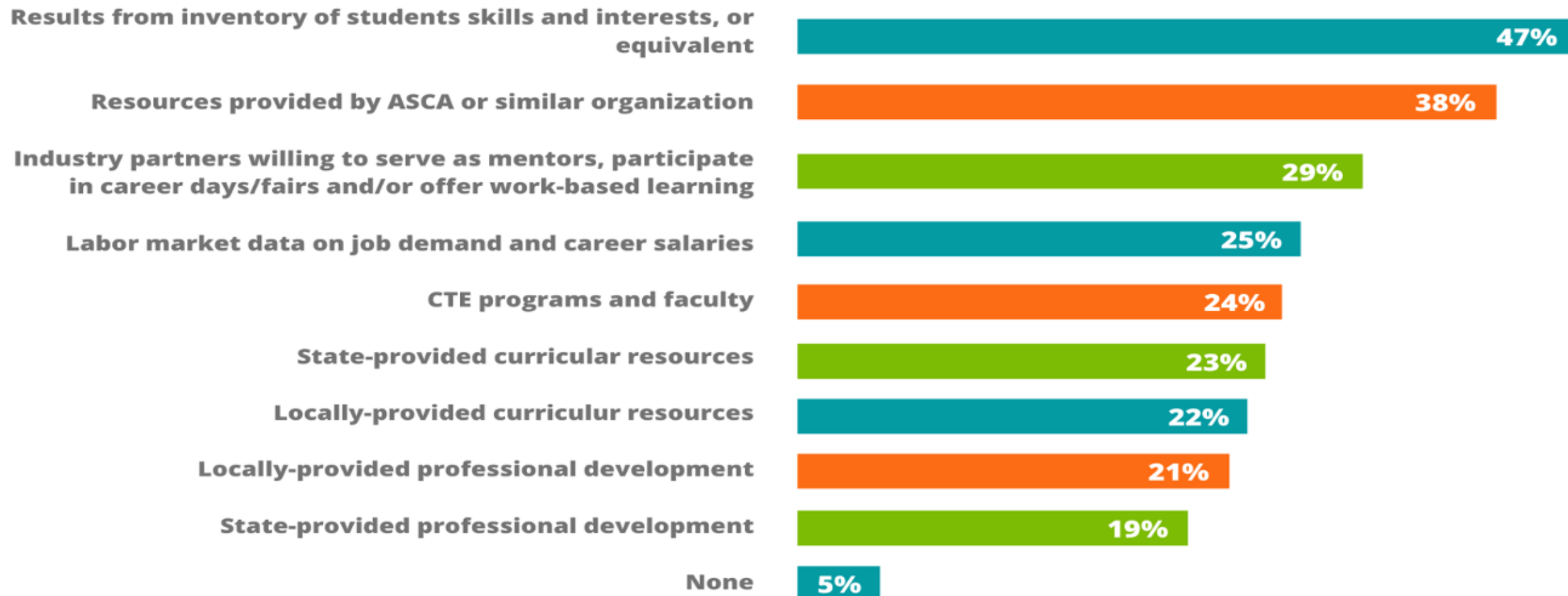
<p><b>THEN</b> VOCATIONAL EDUCATION</p>	<p><b>NOW</b> CAREER TECHNICAL EDUCATION</p>
 <p>In lieu of Academics</p>	 <p>ALIGNS &amp; SUPPORTS ACADEMICS</p>
<p>6 to 7 "Program Areas"</p>	<p><b>16</b> CAREER CLUSTERS® <b>79</b> CAREER PATHWAYS</p>
 <p>High-School Focused</p>	 <p>HIGH SCHOOL &amp; POSTSECONDARY ALIGNMENT</p>



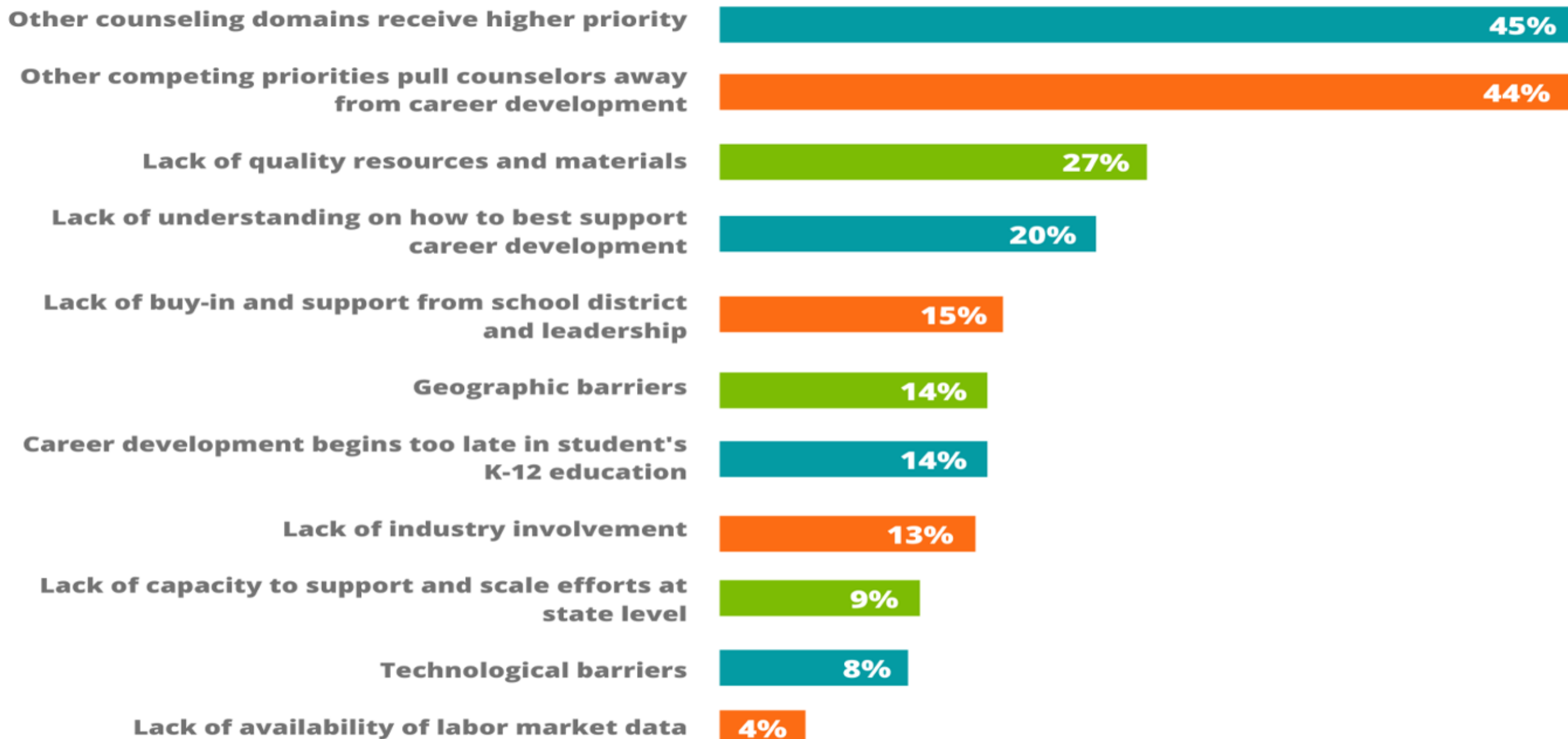
# School Counselors Top Source for Information



# What Resources Do You Use to Support Career Development Efforts?



## What Barriers Do You Face in Providing Effective Career Development Services?





# MYTH FACT

**Myth** 

**CTE is job training.**



**Fact**

**CTE empowers learners to explore multiple career options.**

- CTE programs of study start broad before providing career pathway-specific knowledge and skills
- CTE provides hands-on training, mentoring and internships to expand professional networks
- 84% of CTE families are satisfied with their ability/their students ability to explore careers

# MYTH FACT

**Myth** 

**Only non-college-bound students take CTE classes.**

 **Fact**

**CTE provides a seamless pathway to postsecondary education.**

- Nearly every state reports higher graduation rates for CTE concentrators compared to all students
- 72% of CTE concentrators enroll in postsecondary education full time immediately after graduating
- CTE students have many opportunities to earn college credit in high school through dual and concurrent enrollment

[http://s3.amazonaws.com/PCRN/docs/NACTE\\_FinalReport2014.pdf](http://s3.amazonaws.com/PCRN/docs/NACTE_FinalReport2014.pdf)

# Career Advising Best Practices Most Effective & Least Used

- Connecting students with CTE coursework and career pathways as a career advising and development strategy
- Providing or facilitating work-based learning experiences for students
- Engaging and partnering with industry and community





# CTE Prepares Students for Careers of Their Choice



--Career Technical Education is an educational option that provides learners with the knowledge, experiences and skills they need to be prepared for college and career

--CTE gives **purpose** to learning by emphasizing **real-world skills** and practical knowledge within a selected **career focus**

--Students in CTE pathways take specialized courses, in addition to required core courses, at the secondary and postsecondary/adult levels



# Workforce Changes

- High school diploma no longer sufficient
- Rooted in global shift from industrial to knowledge economy
- Increased need for postsecondary credentials
- High-skill, high-wage and in-demand careers



# Career Connections Framework



Career Awareness

**Elementary Grades (K-5)**

Career Exploration

**Middle Grades (6-8)**

Career Planning

**High School (9-12)**

# CTE Continuum

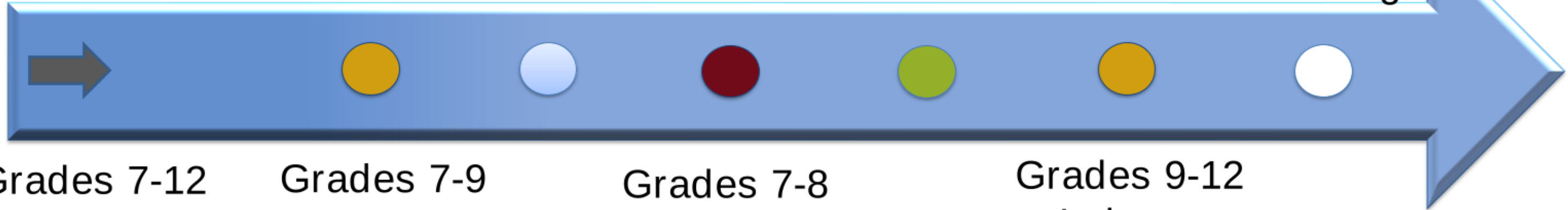
Grades 7-12

Career-  
Based  
Intervention

Grades 7-10  
Introductory  
CTE Courses

Grades 9-12  
CTE Pathway  
Courses

Grades 9-12  
Work-Based  
Learning



Grades 7-12

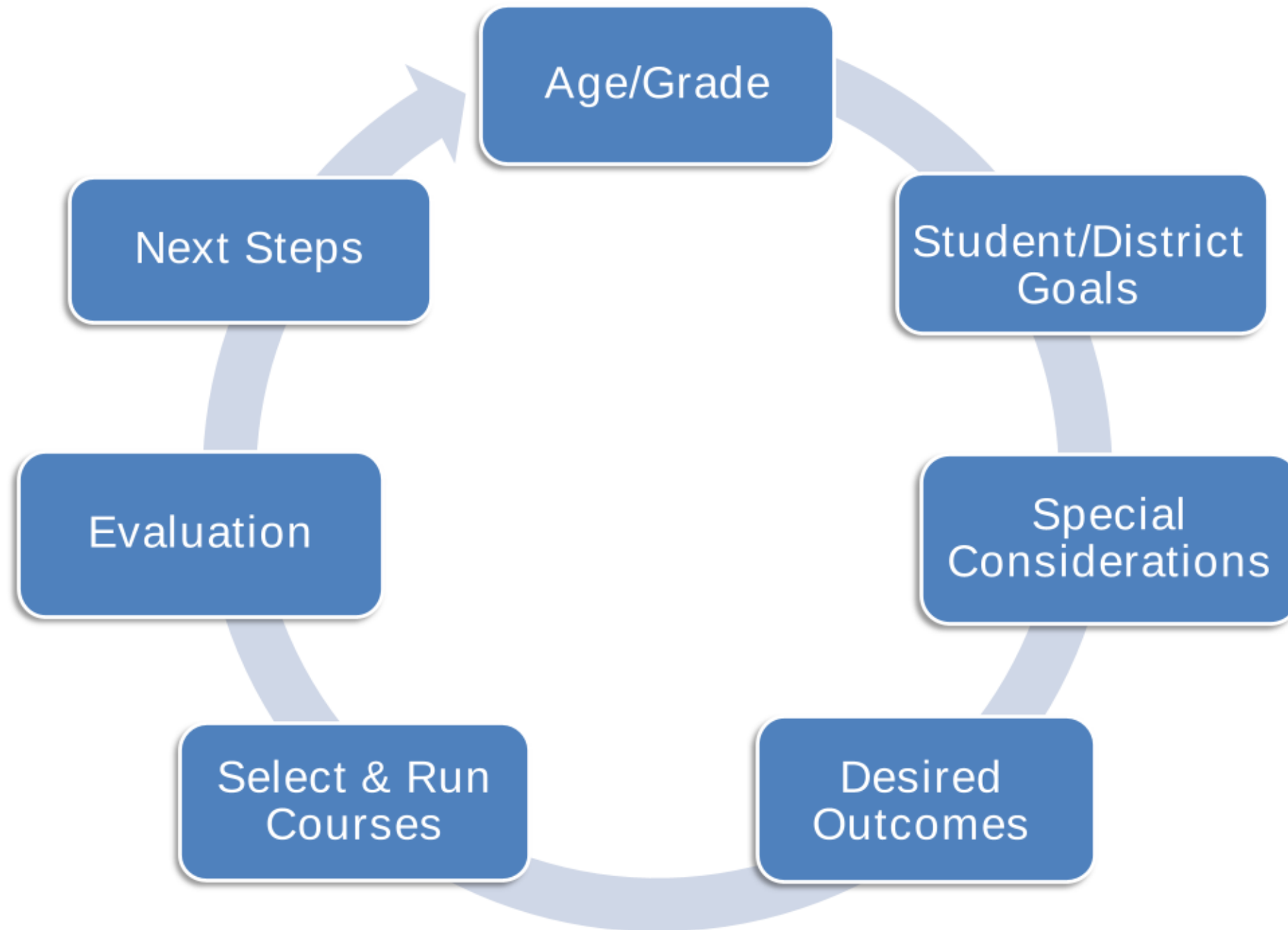
Family  
Consumer  
Science

Grades 7-9  
Career  
Connections

Grades 7-8  
CTE Pathway  
Courses

Grades 9-12  
Industry  
Credentials

# Middle School CTE Planning Process





# Career Connections Course: Grades 7-9

Goal: Career Exploration

Outcomes: Choose Pathway

Next Steps:

- Start CTE Coursework
- Prepare Graduation Plan



# Traditional Career-Tech: Grades 7-12

- Can be utilized at any stage to help students reach their goals
- Includes a comprehensive program of study in one pathway (4+ courses)
- Open to all populations of students, regardless of need or status (FAPE, LRE)
- Requires CTE teacher licensure





# Traditional Career-Tech Placement



## Goal:

- Start/Continue Career Pathway
- Technical skill attainment
- Grow employability skills

## Outcomes:

- Complete a Program
- Earn Industry Credentials
- Learn strengths

## Next Steps:

- Work-Based Learning
- Post-Secondary Planning

# Middle School CTE Courses: Grades 7-10

- Offer the first course in a chosen career pathway
- Aligned with a program available in the CTPD
- Curriculum code and credit options are a local decision
- Available to ALL students
- Requires CTE Middle School Validation





# CBI Program: Grades 7-12

## Goal:

- Career Exploration with Experiential Learning
- Interventions and Recovery

## Student Eligibility (fit one or more categories):

- Academically Disadvantaged ([EMIS](#))
- Economically Disadvantaged ([EMIS](#))
- Students with an IEP

## Outcomes:

- Choose Pathway
- Academic Improvement
- New Professional Skills

## Next Steps:

- Start CTE Coursework
- Prepare Graduation Plan



# Middle School Family & Consumer Science



- Introduction to Family and Consumer Sciences
- Principles of Food
- Transitions and Careers
- Textiles and Interior Design
- Personal Wellness & Development

Specific FCS licensure requirements

Course Option	Career Connections Course	Career-Based Intervention Program	Middle School Level CTE courses	High School Level CTE courses
Goal	Career Exploration & Futures Planning	Academic intervention & engagement through work experiences	Begin study in a specific career field or pathway	Start/continue study in a specific career pathway
Grade Level	7-9	7-12	7-10	7-12
Course Code(s) & Hours Req.	VM (30-60)	VN (120 minimum)	VM (30-90)	VT (120-280)
Desired Outcome	Choose Pathway, create or alter graduation plan	Academic recovery, study skills, renewed interest in school & career plan	Learn basics of one or more career pathways; determine best fit	Demonstrate mastery of industry standards, earn IRCs
Teacher License Requirements	Any 7-12 license + <u>CTE MS Endorsement</u> or CTE License	Any professional license + 1 year of work experience (outside of education) + CBI License Endorsement	Any 7-12 license + CTE MS Endorsement or CTE License	CTE License
Additional Info	Flexible curriculum, community involvement	Max 25 students per section, single or multi-period models	Clear cross-curricular opportunities	4 courses per pathway
Testing Requirements?	NO	NO	NO	YES





# Additional Benefits of Middle School CTE



- [Required](#) in Ohio since 2015
- Opportunities to participate in CTSOs (career-technical student organizations)
- [CTE Weighted Funding](#)
- Ohio's [future workforce](#) needs
- Additional supports at the regional, state, federal level



# Promising Practices

Transition “specials” to CTE courses

- Exercise Science and Athletic Training
- Principles of Allied Health
- Arts & Communication Courses
- Career Connections
- Computer Hardware



# Promising Practices

## Integrated Coursework & Simultaneous Credit

- Help students see the “why” of academic content
- Provide more opportunities for project-based, hands-on and personalized learning

[Standards by Design Tool](#)



# Promising Practices

## Embedded Career Advising

- Find ways to link coursework to high-wage, in-demand occupations
- Guest speakers
- Military visits
- Intentionally planned, flexible activities



# Planning for 2024 & Beyond!

- Teacher [Middle School Validation](#) can be completed at any time
- [Start the conversation](#) with your building leadership
  - Find out what programs are available in your [CTPD](#) (career-technical planning district)
    - Middle School courses must be vertically aligned
  - Complete the planning process and [select courses](#)
  - [CTE-26](#) applications are due March 1, 2024



# Other items of interest

- Work-based Learning [Open Office Hours](#)
- [Ohio Tech Prep Regional Centers](#)
- [State Support Team](#) - CTPD Consultants



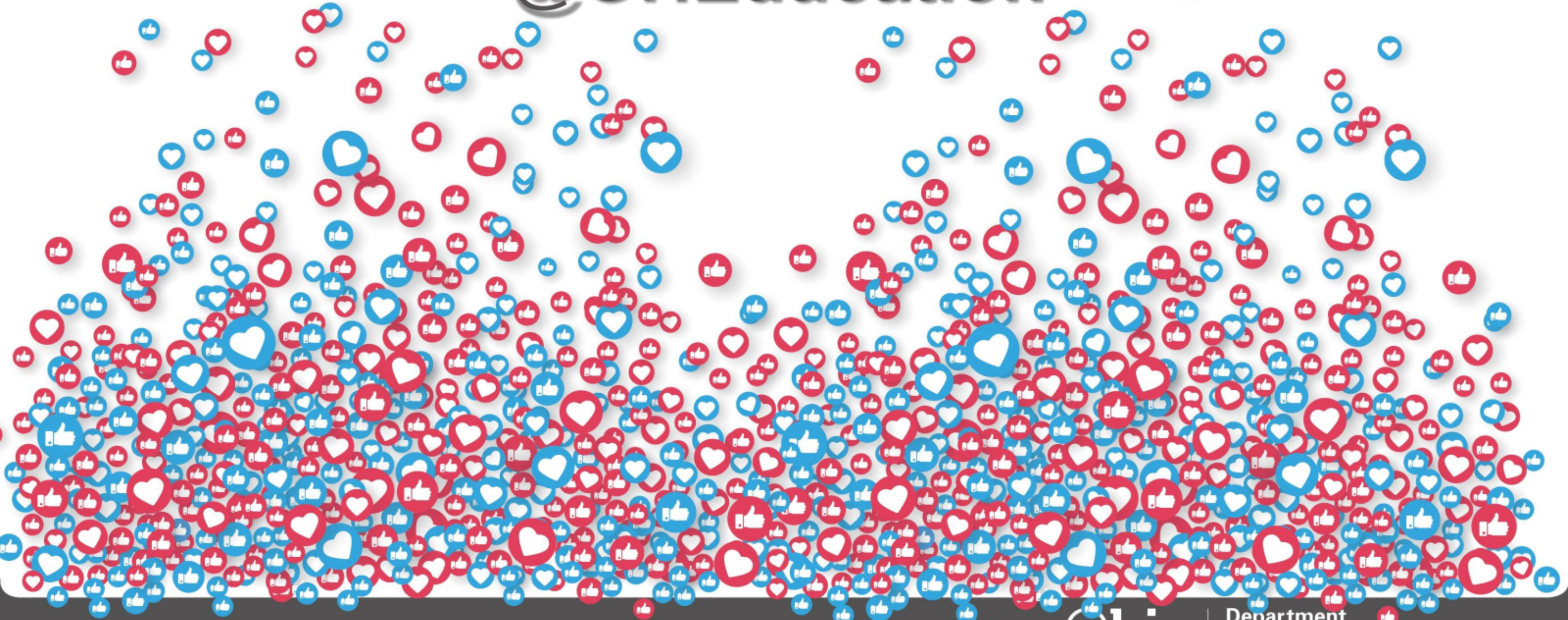
# Reach out with questions!

- Middle School Program Specialist
  - Chelsea Canterbury: [Chelsea.Canterbury@education.ohio.gov](mailto:Chelsea.Canterbury@education.ohio.gov)
- The Office of Career Tech has Program Specialists assigned to:
  - [Individual Schools - Contact List Here](#)
  - [Each CTE program – Contact List Here](#)





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