



Expanding On-Ramps and Off-Ramps To
Increase CTE Participation

Mentor Public Schools

April 18, 2024

Joe Glavan



- A review of how Mentor Public Schools/Lake Shore Compact has dramatically increased CTE participation through innovative approaches including:
 - Career exploration electives
 - 2 year traditional CTE programming
 - Senior-Only programming
 - Job training coordination programs
 - Work-based learning courses



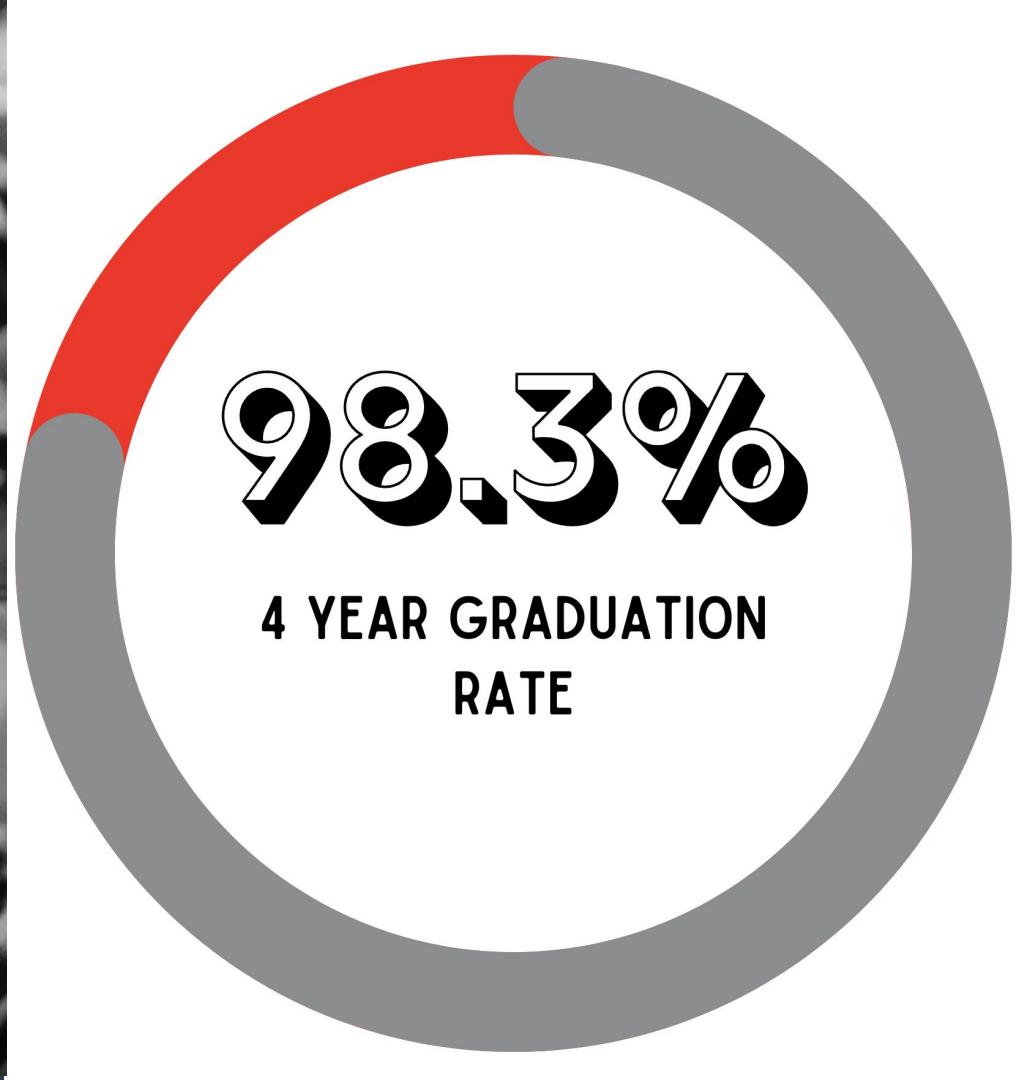


- Career technical consortium serving Euclid, Mentor and Wickliffe school systems
- Offering 21 CTE programs
- Over 900 students currently enrolled in some form of career technical education

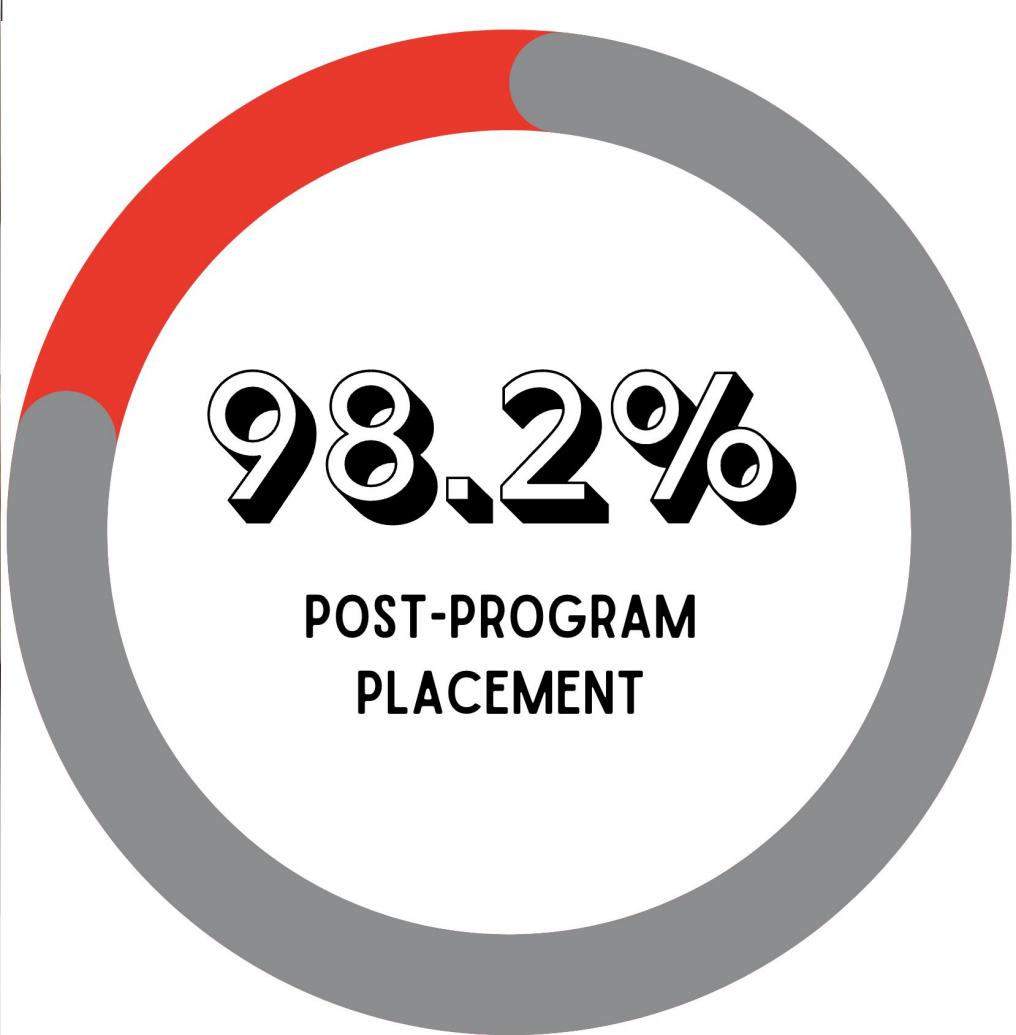


START WITH WHY





Outcome



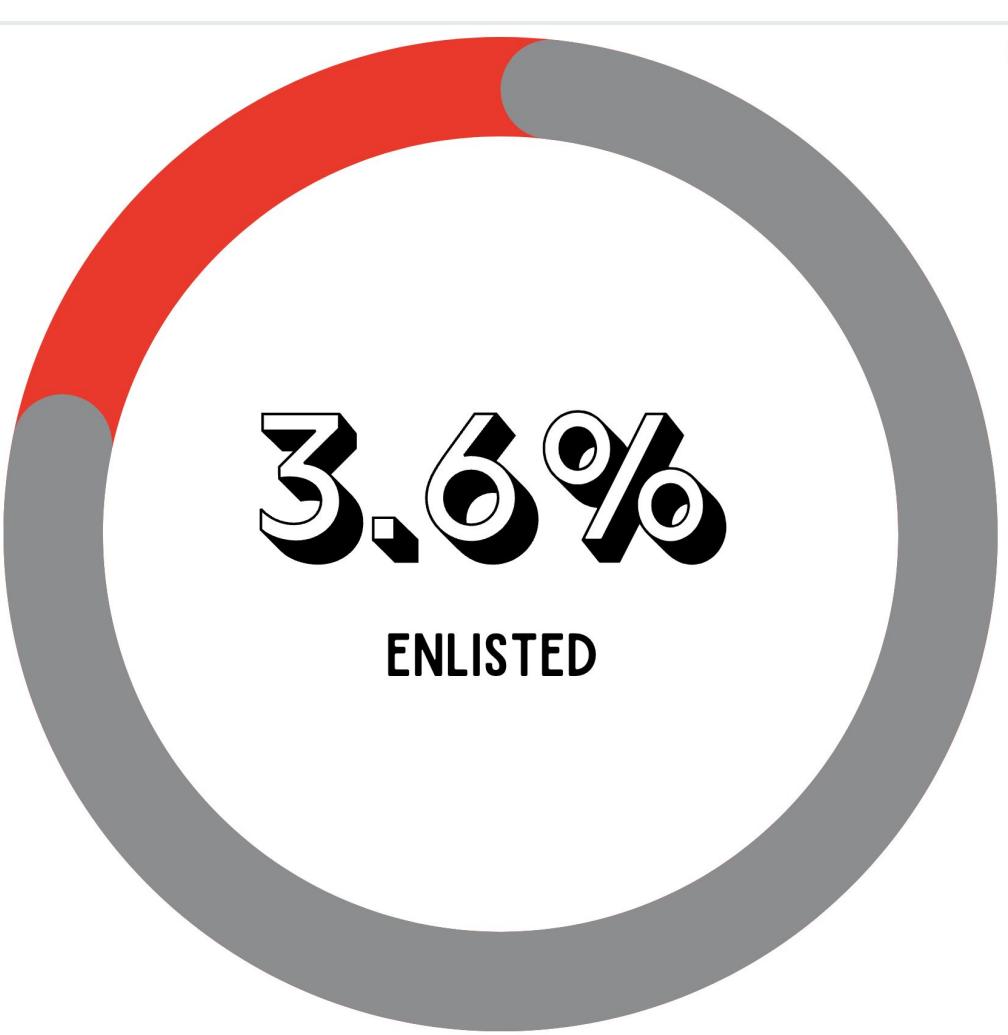


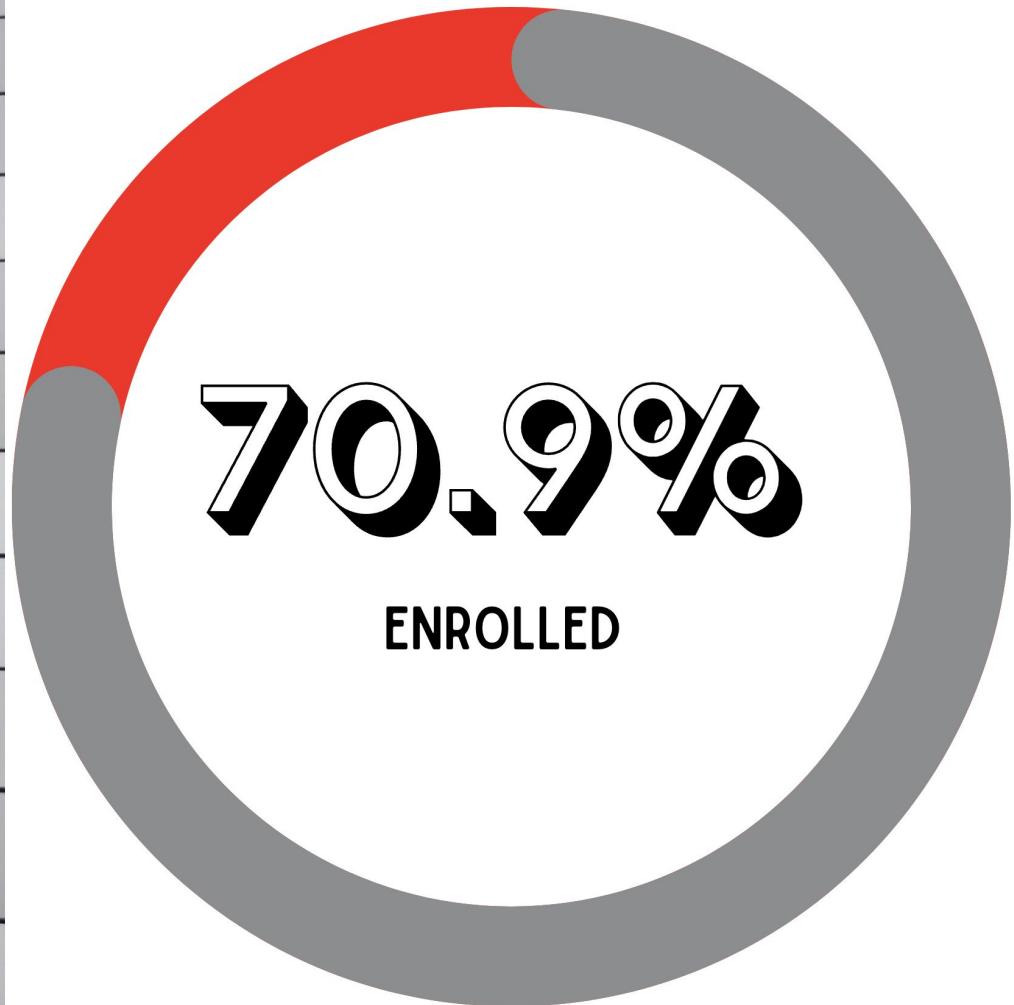
NEW
JOB



64.7%

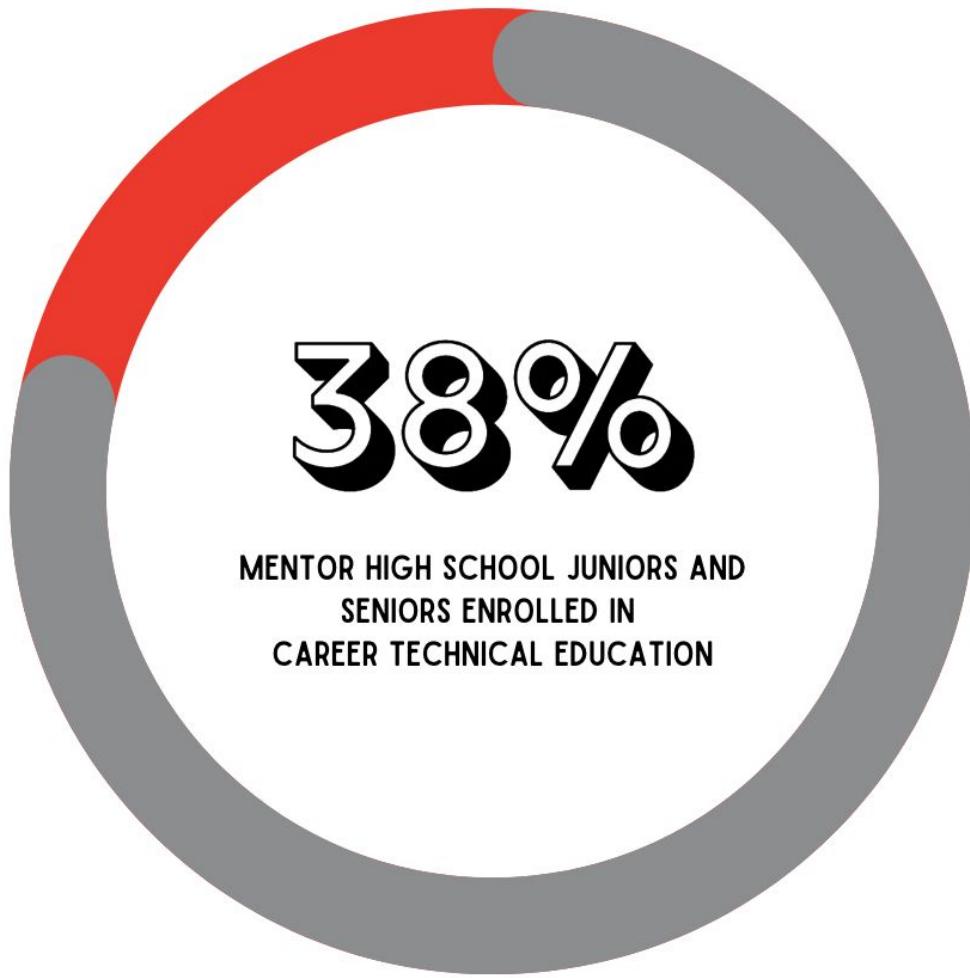
EMPLOYED





JOIN US



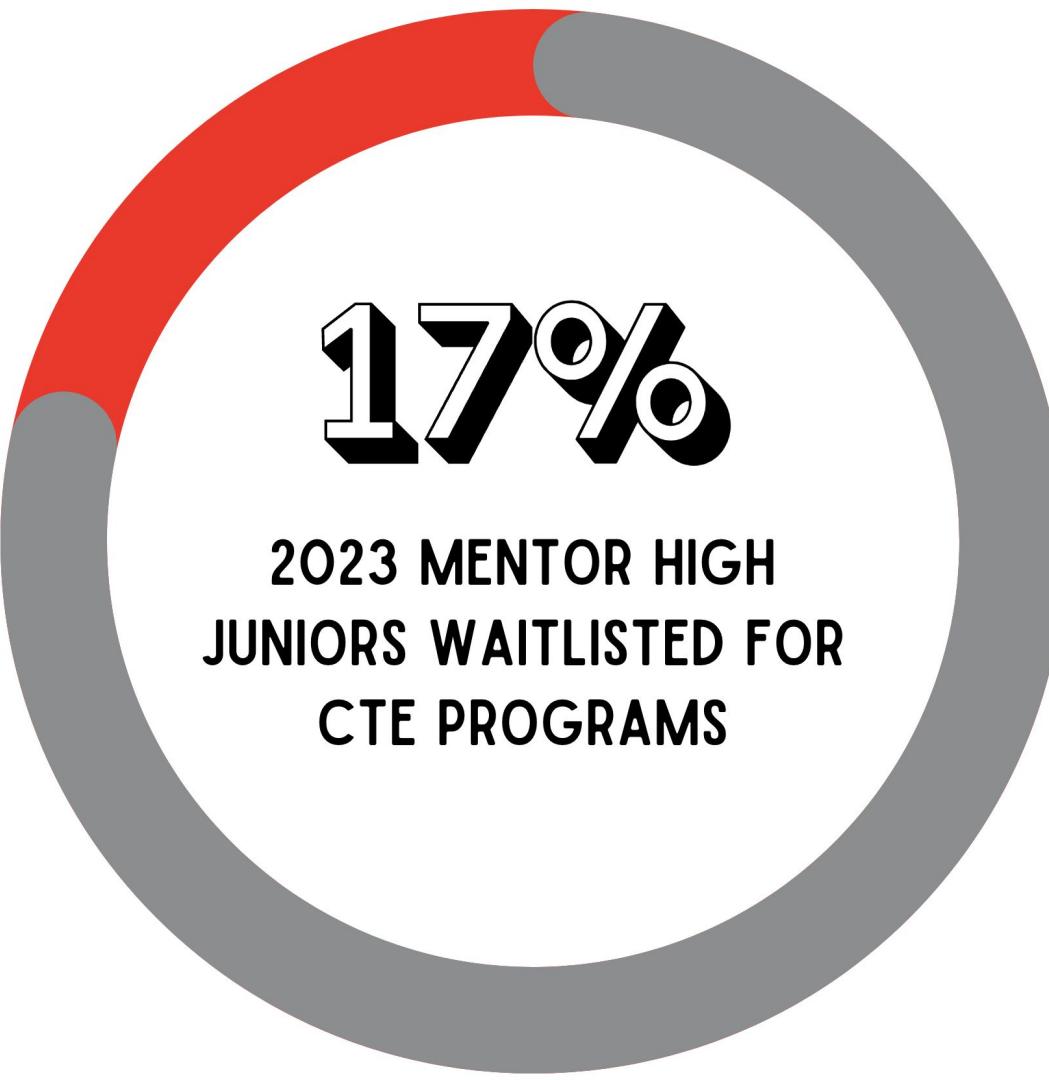


Problems



6.8%

**2022 MENTOR HIGH
JUNIORS WAITLISTED FOR
CTE PROGRAMS**

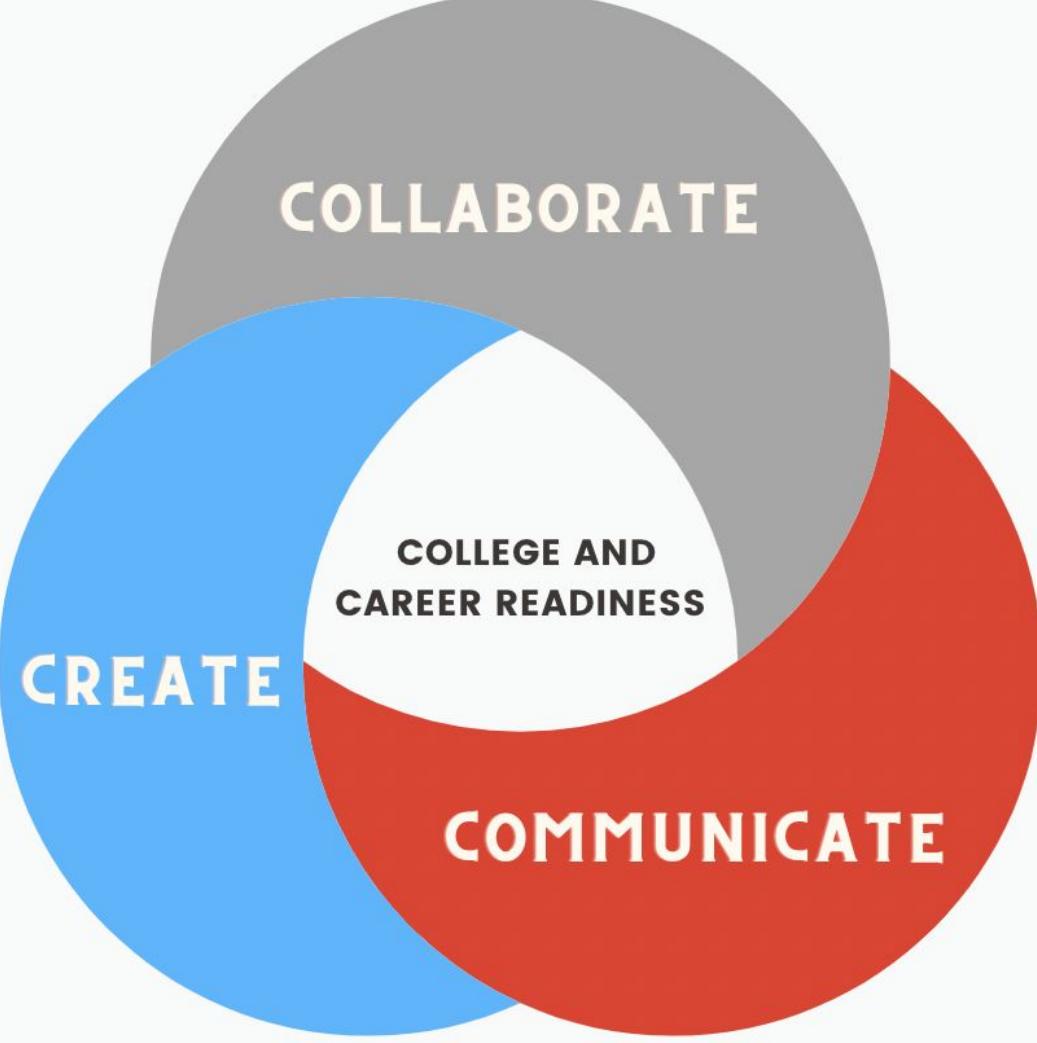


~~Problemas~~

Solutions

CAPACITY BUILDING





COLLABORATE

CREATE

COMMUNICATE

**COLLEGE AND
CAREER READINESS**

CREATE





Expand: Job Training Coordination Program to increase SPED CTE Participation.

- Reasoning: gap
- Worked with ODE
- Equity for Each Grant
- Tiered approach
 - School Positions
 - Cardinal Express
 - Cardinal Spirit Store
 - Nonpaid
 - Paid
- [Cardinal Works](#)
- [Spirit Store](#)



Young Professionals Academy



Redesign CTE programs for Mentor High to allow for additional options:

- Move from the traditional 2.5 hour class to a new two period class.
- Adjustment allows for a new 1 period elective to be taught by CTE instructor on campus.

Creation of new Experiential Learning Electives at no additional cost for the district:

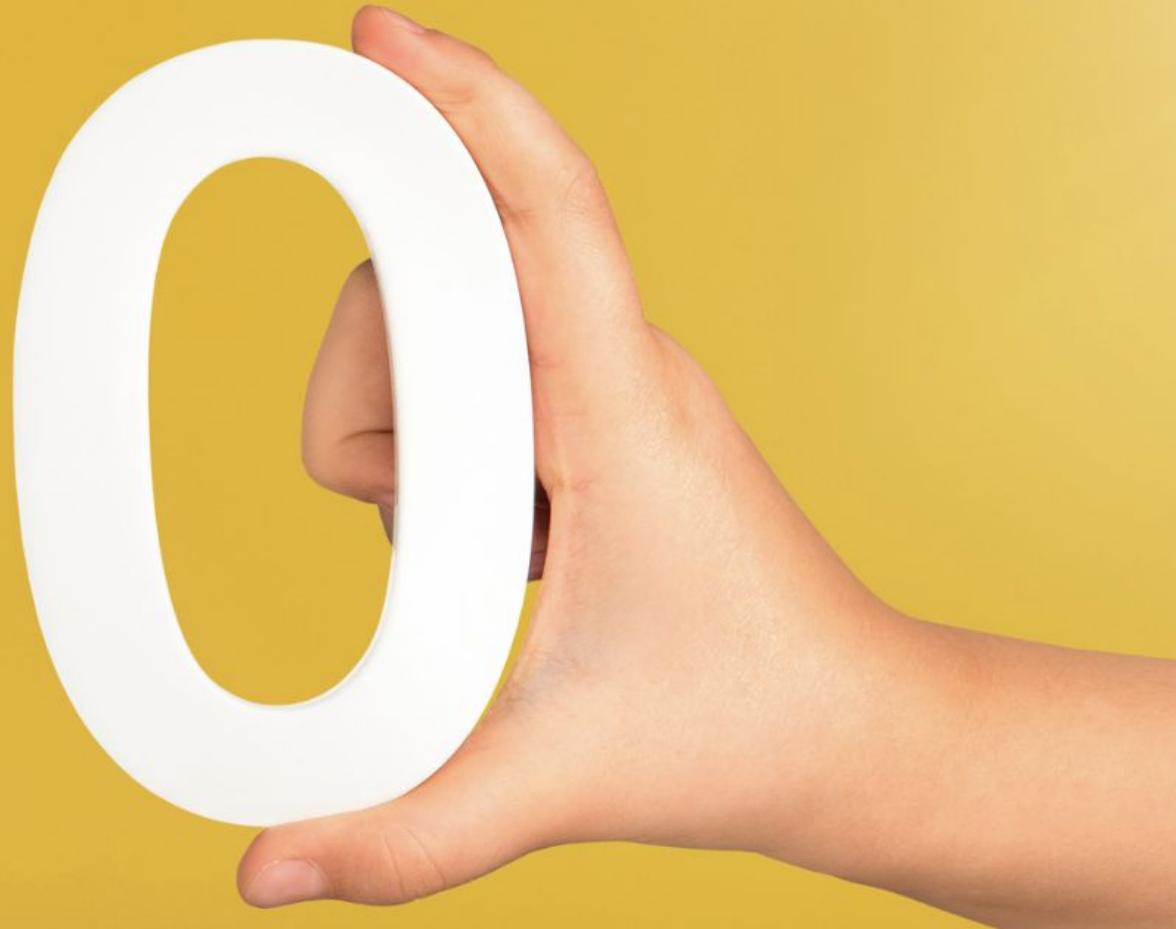
New Electives include:

- Intro to Health Careers(Allied Health)
- Young Professionals Academy (MBA)
- Intro to IT Careers(Networking and Programming)
- Future CCP Electives taught by Approved Mentor instructors



Reimagine class electives

- Create year long electives aligned with community needs and industry credentials.
- CTE Facilities Expansion Grant
- New CTE programs through change of electives
- Old:
 - Wood Working (semester)
 - Gourmet Foods (semester)
 - Digital Art and Design (semester)
- New:
 - Construction (year)
 - Culinary (year)
 - Digital Media (year)



Mentor Schools

CAREER ACADEMIES



2024-25 CATALOG

Mentor Schools
CAREER
ACADEMIES



SCAN ME

Mentor Schools

CAREER ACADEMIES



AT MENTOR HIGH SCHOOL,
**our academies
include:**

- ▶ **AVIATION** Academy | Pg. 4
- ▶ **BUSINESS** Academy | Pg. 5
- ▶ **WORKFORCE-READY** Academy | Pg. 6
- ▶ **CONSTRUCTION** Academy | Pg. 7
- ▶ **CULINARY** Academy | Pg. 8
- ▶ **MENTOR FIRE EMT** Academy | Pg. 9
- ▶ **DIGITAL MEDIA** Academy | Pg. 10
- ▶ **YOUNG PROFESSIONALS** Academy | Pg. 11



Mentor Schools Receives \$2.2 Million Grant for Career Technical Education

Ohio Governor Mike DeWine announced the recipients of the Career Technical Education Equipment Grant Program on March 4, which will expand career tech access to students across the state.



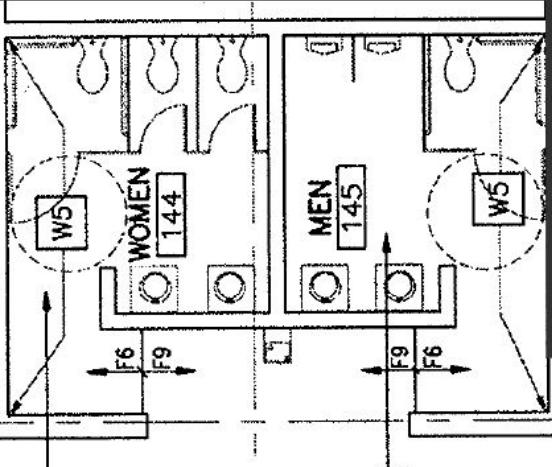
- Timeline
 - Fall and Winter 2023
 - Submit initial Grant - denied
 - Create outline of each academy
 - PD on credentials and earn credentials
 - Submit 2nd Grant
 - Board of Education approval of new courses
 - Spring 2024
 - Scheduling (presentations and enrollment)
 - Grant approval
 - Planning and PD Days to create/build courses
 - Visit classrooms/labs
 - Create timeline for renovations and equipment
 - Fall 2024
 - Finalize renovations and equipment
 - Go out to bid if needed
 - Create outline for Cybersecurity Academy
 - Winter 2025
 - Board of Education approval of new courses
 - Summer 2025
 - Renovation of classrooms/labs - phase 1
 - Summer 2026
 - Renovation of classrooms/labs - phase 2 (if needed)



- Industrial Credentials
 - Culinary Academy:
 - ServSafe - Manager (CQ79), 3 points
 - ServSafe - Allergens (CQ77), 1 point
 - ServSafe - Food Handler (CQ78), 1 point
 - RiseUp Customer Service and Sales (CG59), 6 points
 - OSHA 10-Hour Safety Certification (CJ02), 1 point
 - Construction Academy:
 - NCCER Core (CH91), 6 points
 - OSHA 10-Hour Safety Certification (CJ02), 1 point
 - Ohio State Apprenticeship Council Recognized Pre-Apprenticeship
 - Cybersecurity Academy:
 - CompTIA Security+ (CB44), 6 points
 - Digital Media Academy:
 - Adobe Certified Professional Photoshop (CA58), 4 points
 - Adobe Certified Professional Illustrator (CA54), 4 points
 - Adobe Certified Professional InDesign (CA56), 4 points
 - Aviation Academy
 - Small Unmanned Safety Institute Certification Level 1 (CR67), 6 points
 - Federal Aviation Administration (FAA) Part 107 Remote Pilot Certification (CG65), 6 points

Academy and Description	Projected Cost	Percent of Total	Total Project Percent
Cybersecurity Classroom	\$279,997.25	12.59%	14.31%
Cybersecurity Office	\$38,262.51	1.72%	
Culinary Lab	\$648,860.36	29.18%	36.28%
Culinary Office	\$25,289.55	1.14%	
Culinary Pantry	\$32,496.75	1.46%	
Culinary Classroom	\$100,221.91	4.51%	
Digital Media	\$281,988.78	12.68%	13.95%
Digital Media Office	\$28,240.00	1.27%	
Construction Lab	\$389,581.34	17.52%	32.11%
Construction Supplies	\$30,923.39	1.39%	
Construction Classroom	\$293,581.96	13.20%	
Aviation	\$74,400.00	3.35%	3.35%
TOTAL	\$2,223,843.80		

**OFFICE
300 SF**



**CYBER SECURITY /
INFORMATION TECH
1476 SF**

CULINARY CLASSROOM 700 SF

CULINARY LAB 1100 SF

**OFFICE
100 SF**

PANTRY 100 SF

CONSTRUCTION LAB 1320 SF

SUPPLIES 145 SF

CONSTRUCTION CLASS 1430 SF

35°-4"

DIGITAL MEDIA 1599 SF

**OFFICE
195 SF**

A technical diagram showing a horizontal opening with a width of 3' 4". The opening is marked with two 'A' labels. A callout labeled '114C' points to the left side of the opening. The entire diagram is set against a black background.

Architectural floor plan showing a building section. Room 118 is located at the top, with a door labeled 'A' leading to a corridor. A circular area is labeled 'CUSTODIAL STORAGE'. Below it is a room labeled '118 179 SF/1 OCC'. To the left, a room labeled '117B' is shown. At the bottom, there is an entrance labeled 'FE EXISTING' with an arrow pointing up, and a door labeled 'UP'.

OFFICE 195 SF

A photograph of a control panel with a digital display showing 'A10 08'. Below the display are two small rectangular buttons. To the right of the panel is a vertical handle and a circular dial.

RSTRM
120
69 SF/1 000

A torn piece of orange paper is shown, revealing a white background. The word "Collaboration" is written in a large, black, sans-serif font in the center of the white area.

Collaboration



Work together as a region to ensure workforce demands are being met and resources are being maximized.

Euclid Schools plays an integral role in designing and providing CTE Programming

Over the past 5 years

- Exercise Science
- Urban Agriculture
- Robotics and Automation
- Teaching Professions
- Multiple JTCs
- Construction Management
- Career Based Intervention
- Educational Options Center



SENIOR-ONLY PROGRAMS

GENERAL INFORMATION

WHAT ARE SENIOR ONLY PROGRAMS?

Senior Only Credential Programs target the specific needs of students entering their senior year of high school, who have completed most of their curriculum requirements for graduation, and have time in their schedule to pursue an industry-recognized credential, making them more marketable upon high school graduation.

WHAT ARE THE COMPONENTS OF SENIOR ONLY PROGRAMS FOR GRADUATION?

- 1.) Earning 12 points on one or a series of industry recognized credentials.
- 2.) Earning your high school credits.
- 3.) Complete remaining ODE graduation requirements.

WHO CAN ENROLL IN SENIOR ONLY PROGRAMS?

- Students in Euclid High School, Mentor High School, and Wickliffe High School.
- Students entering their Senior year of high school
- Students NOT enrolled in other Career Technical Education programs.
- Students who want to graduate using the industry-recognized credential option





BOUTIQUE SERVICES

SENIOR-ONLY
PROGRAM



ARE YOU?

- ✓ Interested in the beauty industry
- ✓ Interested in developing skill in make-up, esthetics, or braiding
- ✓ Considering a career in cosmetology
- ✓ Passionate about developing professional skills to earn money right now

YOUR EXPERIENCE

ACADEMIC DAY:

Whether you're drawn to the artistry of makeup, the intricacy of braiding, or the soothing ritual of shampooing, our program offers a gateway to your dream career in cosmetology. With a focus on Ohio State Board of Cosmetology standards, our intensive 2.5-hour daily sessions provide hands-on experience and expert guidance. You'll work directly with real clients, refining your skills and building the confidence needed to thrive in this dynamic field.

We emphasize significant lab experience, ensuring you're fully prepared to excel in the industry. From mastering the latest makeup techniques to perfecting intricate braiding styles, our curriculum is designed to empower you with the skills and knowledge needed to succeed. And with access to professional tools and a comprehensive kit, you'll have everything you need to kickstart your journey toward a fulfilling career.



CREDENTIALS AVAILABLE:

- Ohio State Board of Cosmetology - Boutique Services: Braiding
- Ohio State Board of Cosmetology - Boutique Services: Make-Up Artistry
- Ohio State Board of Cosmetology - Boutique Services: Shampooing
- Ohio State Board of Cosmetology - Boutique Services: Threading



LOCATION: EUCLID HIGH SCHOOL
TEACHER: TBD
E-MAIL: TBD
PHONE: TBD
TIME: TBD
HS CREDITS: 3

LANDSCAPING TECHNOLOGY

SENIOR-ONLY
PROGRAM

DO YOU?

- ✓ Like to work outdoors
- ✓ Enjoy physical work
- ✓ Have an interest in creating beautiful environments
- ✓ Have an interest in plants and shrubs

YOUR EXPERIENCE

ACADEMIC DAY:

Designed for individuals with a passion for creating beautiful environments and a keen interest in plants and shrubs, this program offers a unique blend of theoretical knowledge and hands-on experience. With a curriculum spanning 3 hours and 15 minutes each day, including extensive lab sessions working on real-world projects for clients, you'll gain the practical skills and industry certification needed to excel in the landscaping field. Embark on a fulfilling career where every day brings new challenges and opportunities to transform outdoor spaces into works of art.

Program fees may apply for essential gear like uniforms and work boots, ensuring you're fully equipped to embark on this rewarding journey towards becoming a certified landscaping professional.

CREDENTIALS AVAILABLE:

- Ohio Certified Nursery Technician- Landscape

LOCATION: MEMORIAL SCHOOL
TEACHER: TBD
E-MAIL: TBD
PHONE: TBD
TIME: TBD
HS CREDITS: 3

A large, stylized red letter 'A' is positioned on the left side of the slide, with a thick grey outline. It is partially cut off by the right edge of the frame.

Work together as a region to ensure workforce demands are being met and resources are being maximized.

Auburn Career Center makes available open seats to our students in the following programs:

- Plant, Turf and Landscape
- Dental Assistant Technology
- Cosmetology

OTC Afterschool Option



Work together as a region to ensure workforce demands are being met and resources are being maximized

- Classic Auto Group is home to our Automotive Technology Program
- Entering 4th year this fall
- 60% of students completing paid internships in the field



Work together as a region to ensure workforce demands are being met and resources are being maximized

- Mentor Regional Response Facility is home to the Mentor Fire EMT Academy
- Entering 4th year this fall
- CCP (8 College Credits)
- Waitlist on program



Work together as a region to ensure workforce demands are being met and resources are being maximized

- Starting Spring 24:
- Dual enrollment CCP CTE in the following CTE programs:
 - Business Administration
 - Health Care
 - EMT
 - Manufacturing
 - Construction
 - IT



Results!

- A 100% Mentor CCP participation increase from Spring 2022 (149) to Spring 24 (300)... which is insane!
- A 40% CCP participation increase from spring 2023 (214) to Spring 24 (300)...less insane, but still good.
- This also appears to be the highest number of CCP Spring enrollment of a district at Lakeland for as far back as we can find... It appears the data stops listing schools before 2019.



- ***Lakeland at Paradigm -Launching Fall 2024!***
 - Mentor Students will be able to take Lakeland Community College courses right here on the Mentor High School Campus at our Paradigm building.
 - Classes held 3 times per week (Monday, Tuesday, and Thursday)
- **Courses Offered at the Mentor Campus 2024-2025:**
 - English Composition 1
 - English Composition 2
 - Basic Economics
 - College Algebra
 - Trigonometry
 - U.S. National Government
 - Psychology
 - Effective Public Speaking.



SCAN ME







WELDING

Lakeland COMMUNITY COLLEGE



SENIOR-ONLY
PROGRAM

LAKE SHORE COMPACT
CAREER TECH
EUCLID, ELYRIA, PERRYSBURG

College Credit
PLUS

YOUR EXPERIENCE

ACADEMIC DAY:

We are thrilled to announce the establishment of a new one-year Lakeland Community College Senior Welding Academy, aimed at expanding welding opportunities for our students. Throughout this academy, students will undertake college credit plus (CCP) courses instructed by Lakeland staff. Our comprehensive welding academy covers Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW/TIG), Flux Cored Arc Welding (FCAW), and Gas Metal Arc Welding (GMAW). In SMAW, students master fillet and groove welds on carbon steel in flat and horizontal positions, with hands-on practice using manual welding equipment and techniques, including special metals handling and certification requirements. Additionally, students gain expertise in metal fabricating, focusing on safety, print reading, welding symbols, and operation of fabricating machines and mechanized welding equipment. In GTAW/TIG, students learn cost-effective welding techniques for carbon steel, stainless steel, and aluminum, emphasizing equipment setup and manipulation techniques. Finally, our course covers FCAW and GMAW, teaching fillet and groove welding in flat and horizontal positions on various metals, providing students with essential skills and knowledge for a successful welding career.

COLLEGE CREDITS AVAILABLE

- WELD 1320 Basic SMAW (Stick) Welding (2 credits)
- WELD 1340 FCAW (Flux Cored) and GMAW (MIG/MAG) Welding (3 credits)
- WELD 1330 Basic GTAW (TIG) (3 credits)
- WELD 1340 Introduction to Metal Fabrication and Mechanized Welding (3 credits)



INDUSTRY RECOGNIZED CREDENTIALS:

- Various American Welding Society (AWS) Credentials

SENIOR-ONLY PROGRAM

DO YOU?

- ✓ Love to work with your hands
- ✓ Enjoy working with metal
- ✓ Like to create new products
- ✓ Pay attention to detail

This opportunity is exclusively reserved for students within the Lake Shore Compact.



COLLEGE & CAREER READY COLLEGE CREDITS

Students who have successfully completed the program and met the requirements for college credit can earn up to:

11 COLLEGE
CREDITS*



LOCATION:

TEACHER:

E-MAIL:

PHONE:

TIME:

LAKELAND COMMUNITY COLLEGE

TBD

TBD

TBD

Cohort 1: 7:30am - 10:00am

Cohort 2: 11:30am - 2:00pm

CCP CREDITS: 11 CREDITS

CRIMINAL INVESTIGATION

SENIOR-ONLY
PROGRAM



DO YOU?

- ✓ Have an interest in law
- ✓ Enjoy solving problems
- ✓ Have an interest in drone technology
- ✓ Plan to study criminal justice in college

CCP CREDITS
AVAILABLE

Lakeland
COMMUNITY COLLEGE

College Credit
PLUS

YOUR EXPERIENCE

ACADEMIC DAY:

This course meets 2.5 hours a day and introduces students to the fundamental concepts of criminal justice and crime scene investigation while also incorporating the use of drones in law enforcement and forensic analysis. Topics covered include the structure, history and operation of the criminal justice system, the legal and ethical standards of criminal investigations, how to apply forensic techniques to collect, preserve, and analyze evidence at a crime scene, physical evidence types, crime scene documentation and the application of drones in crime scene documentation. Students will learn how drones can enhance the efficiency and accuracy of crime scene mapping, surveillance, and evidence gathering. Through lectures, case studies, and practical exercises, students gain insight into the roles and responsibilities of professionals within the criminal justice system and the importance of adhering to proper procedures to ensure the integrity of the investigative process. *Program fees may apply for uniforms.

COLLEGE CREDITS AVAILABLE (TO THOSE WHO QUALIFY):

- CRMJ 1110 Introduction to Criminal Justice - 3 Credits
- CRMJ 1230 Crime Scene Investigation - 3 Credits

CREDENTIALS AVAILABLE:

- Lapsen National Law Enforcement Certification
- Part 107 Remote Pilot Certification
- Bleeding Control Basic 1.0 Course
- Compliance Training - Bloodborne Pathogens
- CPR/First Aid



EUCLID HIGH SCHOOL

Nick Selvaggio
Nselvaggio@euclidschools.org

216-797-7850

TBD

HS CREDITS: TBD



COLLEGE & CAREER READY COLLEGE CREDITS

Students who have successfully completed the program and met the requirements for college credit can earn up to:

6

COLLEGE
CREDITS*

COMMUNICATION



Expand communication channels with the community

- K-12 Real World Learning
 - Middle School
 - Career electives
- Business Advisory Council
- Cardinal Connect
 - Events
 - Partnership Guide
- Countywide collaboration
 - Lake County Workforce Development Board
 - Opportunity Lake County



Department of Education & Workforce



BUSINESS-EDUCATION LEADER AWARDS
FOR EXCELLENT BUSINESS ADVISORY COUNCILS





Ohio's 2024 Two-Star Business Advisory Councils

- Mentor Schools was 1 of 9 School Districts in the entire state to win this award!

WHAT'S
NEXT?

