

MCESC Business Advisory Council Main Meeting 11-21-2024



Who we are

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Introductions!



» A

Agenda

- 1. Welcome
- 2. Big Picture Update
- 3. Oct. MFG Month
- 4. Nov. Health Professions Month
- 5. Pathways to Prosperity Network Update
- 6. 24 25 BAC Plan Updates
- 7. Feedback Activity
- 8. Open Discussion





Montgomery County ESC Business Advisory Council

Ensuring our workforce can compete by enhancing partnerships between schools, higher education and employers

- Ensuring student success and career-readiness
- Helping existing and new businesses thrive
- Keeping talent in our region
- Making Montgomery County a great place to live and work













K 1 2 3 4 5 6 7 8 9 10 11 12

CAREER AWARENESS

Elementary Grades (K-5)

CAREER EXPLORATION

Middle Grades (6-8)

CAREER PLANNING

High School (9-12)



Ensuring Students Success From Cradle to Career

Ready to Learn. Explore. Earn.

Age 5	3rd grade	8th grade	9th grade	12th grade	Post High School	Job & Career
Ready to learn when entering Kindergarten	Proficient in reading	Proficient in math	Ready to learn throughout high school	Ready to graduate from high school	Ready to learn in college or earn a credential*	Ready to earn with a college degree or a credential*
			Power Indicators			
Increase the percentage of students who 'Demonstrate Readiness' on Ohio's Kindergarten Readiness Assessment	Increase the percentage of students scoring at or above proficient on the 3rd-grade Ohio Reading Assessment	Increase the percentage of students scoring at or above proficient on the 8th-grade Ohio Math Assessment	Increase the percentage of students earning 5 credits their freshman year, with at least 1 in math and 1 in English	Increase the percentage of students graduating from high school within 4 years	Increase the percentage of students enrolling at a post-secondary institution any time during the first 2 years after HS	Increase the percentage of students graduating with a 2- or 4-year degree within 6 years













Excellence in Coordinating Career Development Experiences

Excellence in Developing Professional Skills for the Future



Industry Group Collaboration

Elevating Student Voice

Expanding K-5 Engagement 2024



BUSINESS ADVISORY COUNCIL

Excellence in Coordinating Career Development Experiences

Excellence in Developing Professional Skills for the Future

Utilizing Tools Like YouScience

Sharing Regional Education Data



Main takeaways for today's fall BAC update

- 1. YouScience Report Healthcare Spotlight
- 2. Career Connections Monthly Surveys
- 3. 5G Pilot Program with the University of Dayton
- 4. Career Adventures Day with DML & DAAC
- 5. BAC Subcommittee meetings have begun
- 6. Bringing more employers into the fold

BAC YouScience Quarterly Report



Introduction

This report offers an update of the YouScience data from our Business Advisory Council's partner school districts, providing valuable insights into student aptitudes and career interests. Our goal is to present a clear regional picture of the emerging workforce pipeline across key in-demand sectors.

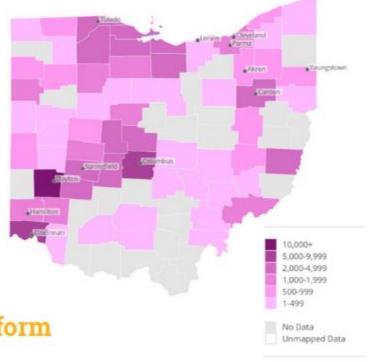
YouScience uses proprietary artificial intelligence to uncover student aptitudes, then connect these aptitudes to careers and educational pathways designed to help students discover their natural talents and connect them to personalized career and educational opportunities.

This overview shows the number of students who show a natural aptitude and interest in our targeted industry clusters. This data highlights our region's awareness and exposure gaps, revealing areas of opportunity for improvement.

The BAC aims to inspire collaboration among industry, higher education, nonprofits, and K-12 schools to help close these gaps and better prepare students for future workforce needs in our region.

The Power of YouScience

YouScience matches students' aptitudes with 500+ careers, including their top 15-20 best fit careers. Career matches also include salary ranges, projected openings, education requirements, day-in-the-life insight, and more. Results include self-advocacy language to assist with resumes, application essays, and interviews.



1 Million students using the platform

100,000+ surveyed in Ohio

10,000+ surveyed in Montgomery County



Using YouScience for a middle school industry partner day



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Why Aptitudes Matter

Most career assessment tools rely solely on interest and personality surveys. YouScience combines psychometrically valid brain game-like exercises that uncover students' aptitudes with an interest inventory.

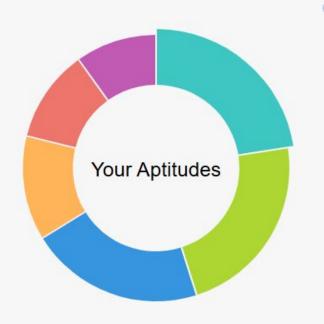
Interest-only assessments reinforce biases and fail to give students an accurate picture of what they can do or will find satisfying.

An aptitude-based assessment coupled with career matching, however, lets students self-discover their talents, gain self awareness, and find career opportunities that align with those talents. It strips away the biases and exposes students to careers they did not know about, did not think they could do, or perhaps, had never considered. It shows them careers they are wired to do well at and will find satisfying because mastering the skills needed will be natural rather than stressful.

Bryan, you crushed it!

You have some serious talent and awesome career opportunities!

Explore more of your talents



You are a Sequential Thinker.

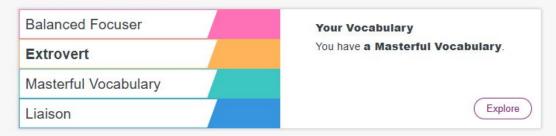
- · You can easily organize ideas and concepts in your head.
- You're good at fitting steps into a process, or activities into a schedule, so you excel as a planner.
- Developing systems that do not exist or making existing systems more efficient is where you will shine.

Explore



View Career Matches

Personal Approach



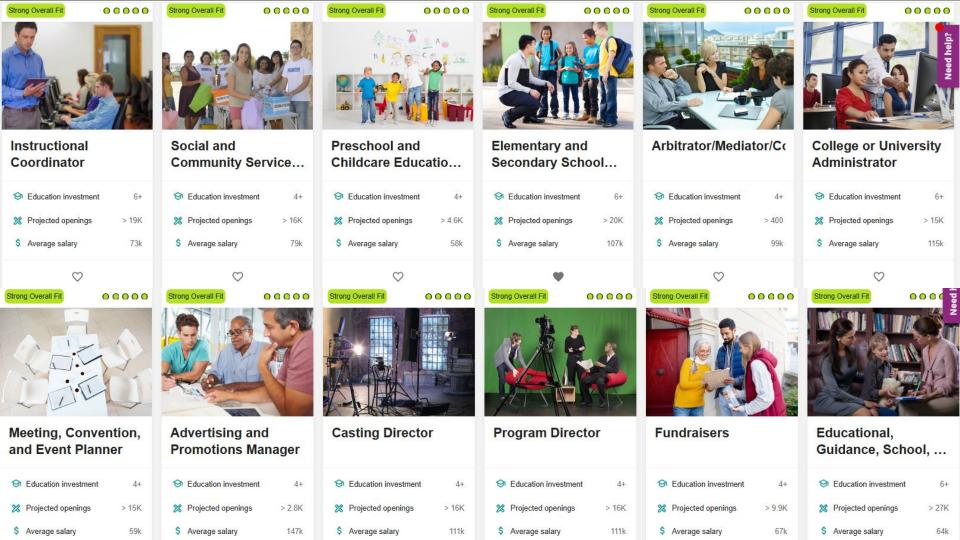
How you contribute to a team

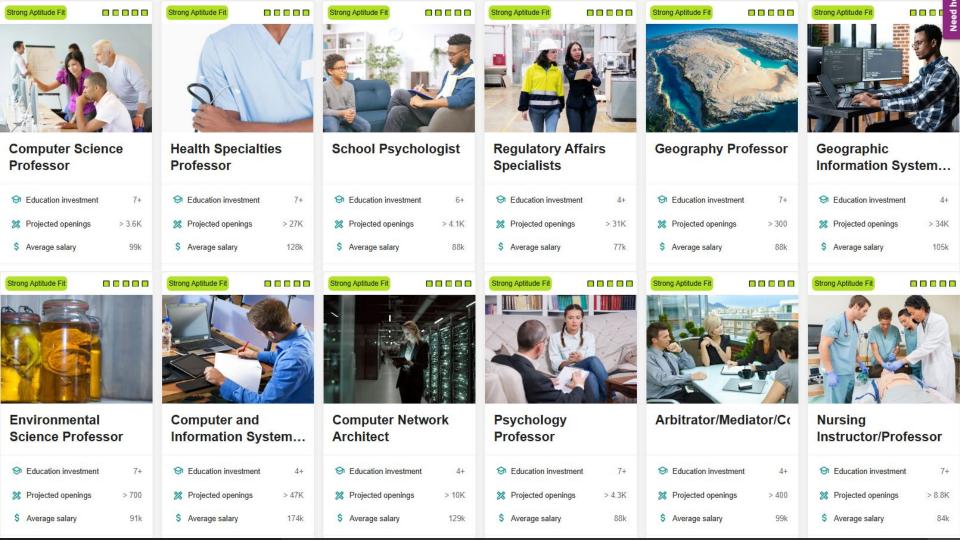
Learn how your work approach and interpersonal style work together.

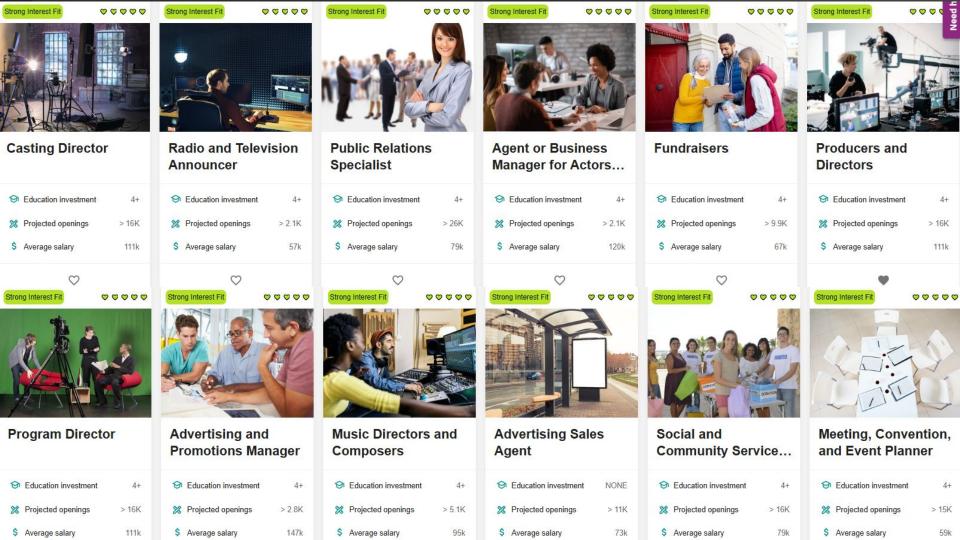
	Introvert	Blended Energizer	Extrovert
Specialist			
Liaison			\otimes
Generalist			

Extroverted Liaisons enjoy representing a cause they care about while hearing others' opinions and perspectives. They make excellent campaigners and market researchers.











Computer & Information Systems Manager

➢ Education investment 4+
 ※ Projected openings > 47K
 § Average salary 174k

Aptitudes That Match You for This Career





Work Approach

Introduction to this career

A Day in the Life

Computer and Information Systems Managers, often called information technology managers (IT managers or IT project managers), plan, coordinate, and direct computer-related activities in an organization.

As an IT Manager you help determine the information technology goals of an organization and are responsible for implementing the appropriate computer systems to meet those goals.

Core Tasks 1 of 3

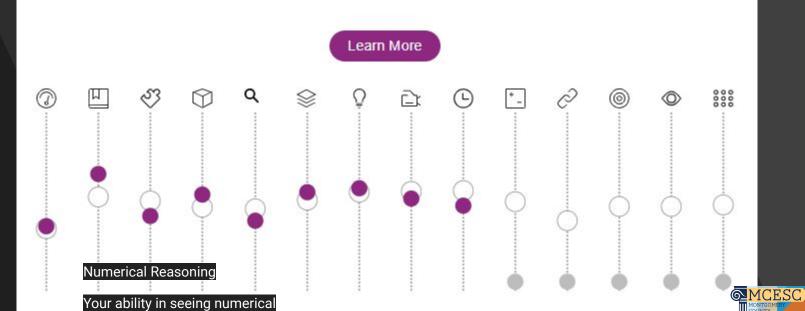
- Provide users with technical support for computer problems.
- Prepare and review operational reports or project progress reports.
- Evaluate data processing proposals to assess project feasibility and requirements.
- Review project plans to plan and coordinate project activity.
- Recruit, hire, train and supervise staff, or participate in staffing decisions.
- Develop and interpret organizational goals, policies, and procedures.

Computer & Information Systems Manager

How This Career Fits You

This graph shows how good of a fit you are on an aptitude by aptitude basis. You'll want your aptitude score to match up with the ideal fit, otherwise it might be too challenging or not stimulating enough for you.

Your Aptitudes O Aptitude Rankings for This Career



relationships is a strength with this career.

Computer & Information Systems Manager

How Your Interests Match This Career

Your interest in a career can help you decide which careers seem like a better fit for you when the abilities are similar



The higher your interest in Investigative work, the more likely you are to enjoy work that allows you to explore ideas, conduct research, and gain knowledge to solve problems.

The higher your interest in Conventional work, the more likely you are to enjoy work with clearly defined rules and processes.

Sequential Reasoning

You get how it all fits together. The way you mentally organize, we call you a "Sequential Thinker"

What is Sequential Reasoning?

Sequential Reasoning is a problem solving ability that allows you to mentally arrange information in logical linear order. It helps you create a sequential, linear, and systematic planning approach that allows you to make accurate logical deductions and find it easy to explain to others how the pieces of a plan fit together. Simply stated, this is your knack for organizing things in your head - ideas, information, systems - and it determines whether you'll thrive doing a lot of logical organizing, or a little. There's a long road that starts with planning and ends with doing: find the spot where you're most effective.

Your results show

- You see the big picture.
- You can easily organize ideas and concepts in your head, even without instructions to help.
- You're good at fitting steps into a process, or activities into a schedule, so you shine as a planner.
- Others rely on you to explain how systems work.



How does this impact my daily life?

Work School Social

- Developing systems that do not exist or making existing systems more efficient is where you will shine.
- Look for ways to feed your aptitude for creating processes, working out logistics, and dealing with complex schedules.
- Making and giving presentations will come naturally to you.

Things you may find...

Easy for you Difficult for you

- Playing games or working on projects with multiple simultaneous steps
- Organizing ideas for writing papers, essays, reports, etc.
- Editing, writing, explaining papers, documents, articles, and reports
- Knowing where new information fits into a system
- Adjusting plans to fit new developments or changing goals
- Creating PowerPoint type presentations
- Giving easily comprehendible instructions
- Planning or organizing events or projects

Things you may find...

Easy for you Difficult for you

- Quickly communicating the details of your ideas and plans
- Remembering to spell out how you arrived at successive steps
- Being patient while others work through steps
- Anticipating/allowing time for questions during presentations



Tips for Success

- Make sure you have visible plans, schedules, and explanations for the others on your team. They're not mindreaders.
- Take time to share your thought process with others on your team. That will build their confidence in the logic of your plan.
- You'll enjoy creating order out of chaos. Jump in and save the day.
- Your gift at organizing thoughts should help you in writing clear, logical communications. Look for chances to contribute this way.



Career Connections Months of Action - Healthcare Career Spotlight

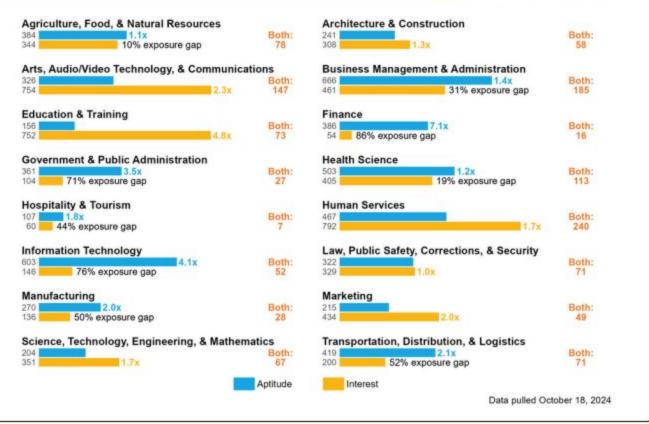
Our Business Advisory Council leverages a regional approach to support industryspecific outreach through our Career Connections Months of Action. November marks Health Professions Month in our region, where we focus on raising awareness about in-demand healthcare careers.

The following chart highlights selected healthcare occupations, chosen in collaboration with GDAHA, Premier Health, Kettering Health Network, and Sinclair College's Health Science programs. While there is an abundance of data on this sector, this chart offers a unique look at our region's emerging talent pipeline. Building on the momentum of national and state-sponsored career connections efforts like MFG Month and National Health Professions Month, we continue to engage partners to help districts participate effectively. Through this coordinated effort, we aim to align students into local opportunities in healthcare.



YouScience Results by Industry Sector 24-25 YTD (Grades 6-12)

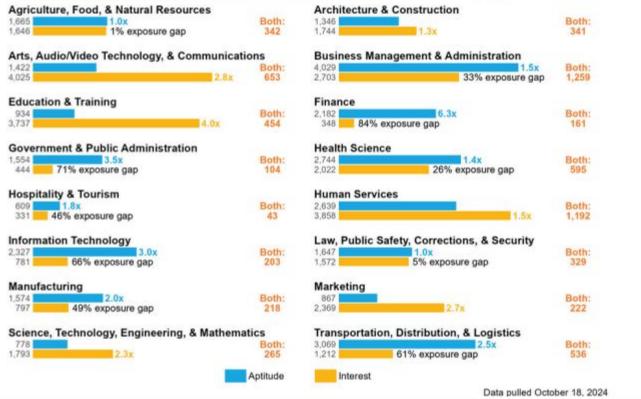






YouScience Results by Industry Sector All Active Students Grades 6-12

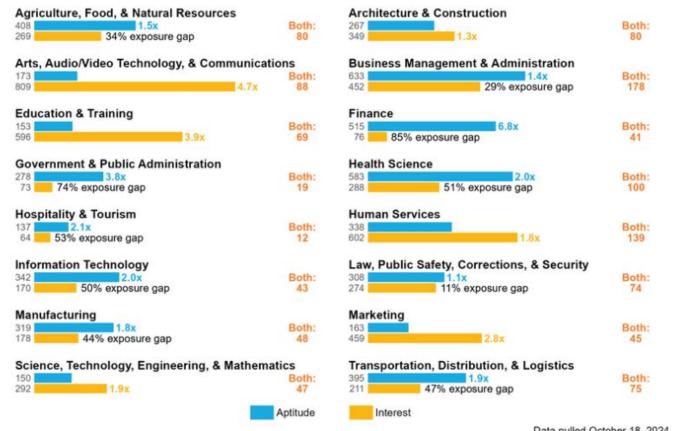






YouScience Results by Industry Sector All Active Students Grades 6-8

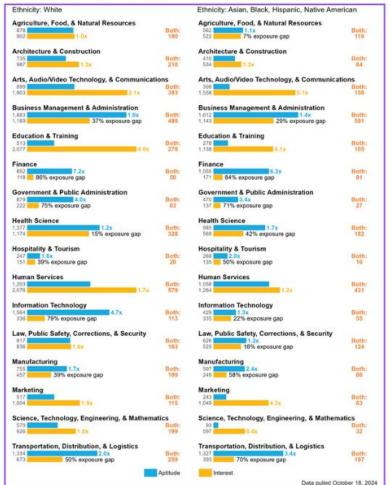






YouScience Results by Industry Sector & Ethnicity All Active Students Grades 6-12











The need to inspire STEM participation earlier

Analysis shows that there is a startling discrepancy between the interest in STEM-related careers versus the obvious aptitude for it—thereby widening the talent shortage and weakening the economy. A lack of interest in middle and high school tends to translate into low participation in STEM-related coursework, internships, mentoring, exposure, and counseling. As a result, more Black students opt out of STEM opportunities as they pursue higher education and careers.

The failure to support and develop a diverse workforce in STEM careers from an early age perpetuates significant problems.

- Innovation deficits: without diversity in STEM, the development of new innovations, research, and technologies may not fully address or even recognize the needs of diverse populations, leading to biased outcomes and inequitable solutions.
- Earnings disparities: as employers in all industries place an increasingly higher economic value on individuals with STEM training, those underrepresented in STEM fields will experience even greater educational and economic inequalities, restricting access to high-paying, indemand jobs, and limiting social mobility.

- 3. Economic disruptions: STEM workers are critical for businesses to compete failing to engage a broader segment of the population in STEM careers dramatically slows economic development and innovation and threatens the country's ability to compete globally.
- "Black Girls Do STEM has prepared me for real life. It has introduced me to things I'm willing to try in the future. At my school, we have a lot of STEM-related classes, and I'm going to expand the knowledge I received from Black Girls Do STEM."

-Jariyah, student

STEM CAREER FIELDS



Advanced Manufacturing



Architecture & Construction



Computers & Technology



Finance



Health Science







Advanced Manufacturing

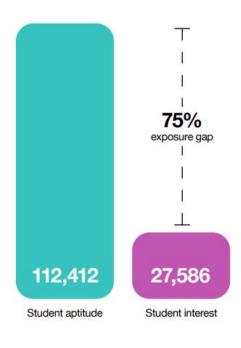
Manufacturing has changed drastically over the years and is now referred to as Advanced Manufacturing due to technological advances. Traditional assembly lines are long gone but the stigma attached to manufacturing careers remains, despite many in-demand Advanced Manufacturing careers requiring engineering and computer skills. Advanced Manufacturing careers are STEM careers⁴ with tremendous economic opportunities.

Example careers:

Industrial engineers, electrical engineers, mechatronics engineers, machinists, manufacturing technicians.

Black representation:

As of 2022, Black workers made up 10.8% of the manufacturing workforce. 5 Within Advanced Manufacturing, automotive is the highest-paying industry for Black workers.

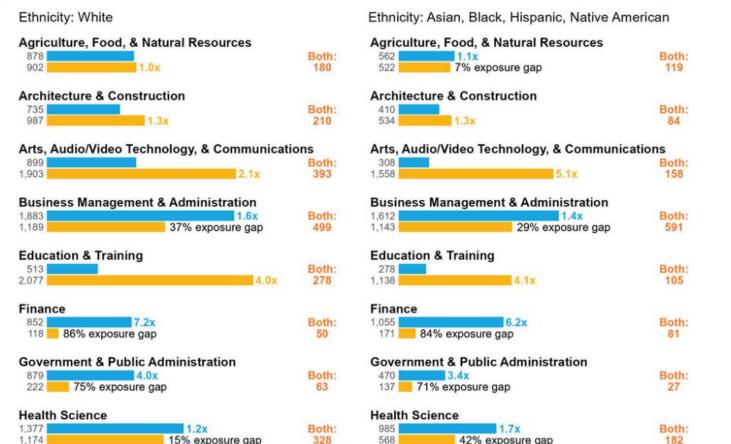


9.4% of workers in installation, maintenance, and repair occupations are Black despite representing 13% of the working U.S. population.⁶



YouScience Results by Industry Sector & Ethnicity All Active Students Grades 6-12

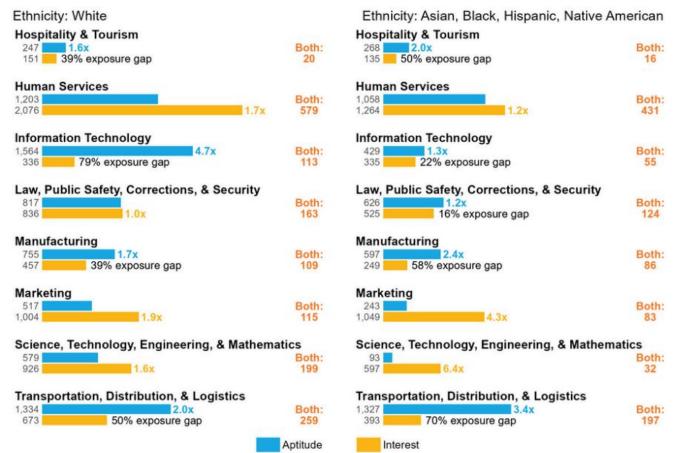






YouScience Results by Industry Sector & Ethnicity All Active Students Grades 6-12







2023 State of Computer Science Education

The rapid pace of technological advancement, as seen with the widespread integration of generative artificial intelligence (AI), underscores the need for foundational knowledge in computer science for all students. This report calls upon advocates to embrace the urgency of this matter and revamp school curricula to align with the demands of the 21st century, including requiring that all students learn computer science.

Currently, 57.5% of public high schools in the United States (U.S.) offer a foundational computer science class—an achievement marking the largest percentage growth in the last five years. Across the 35 states* where data is available, 5.8% of high school students are enrolled in foundational computer science. Even with growing access this growth, large disparities still exist, and we must continue to focus on eliminating participation gaps.

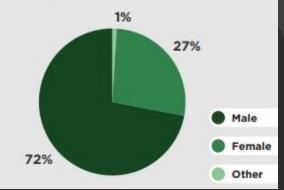
13,722
In 2023, OH averaged
13,722 open computing
jobs each month

\$96,393
These jobs have an average

salary of \$96,393

Participation in AP Computer Science Exams by Gender

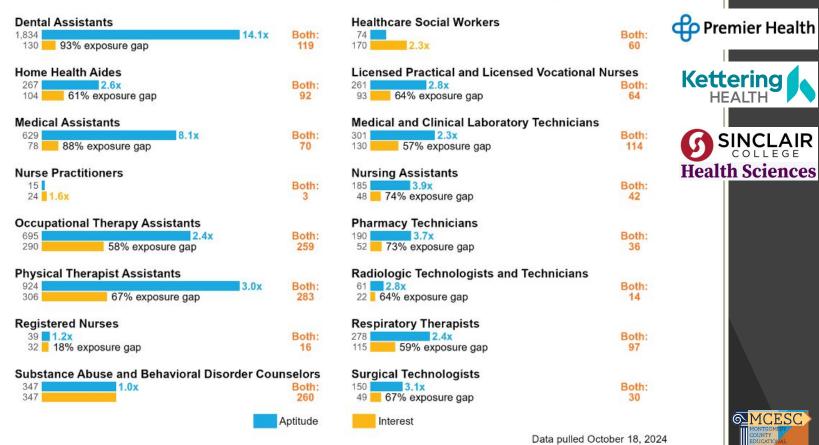
Course enrollment data for all foundational computer science courses is not available from Ohio. Nationally, we know that participation in all foundational computer science is broader than AP participation.





YouScience Healthcare Career Results All Actives Students Grades 6-12







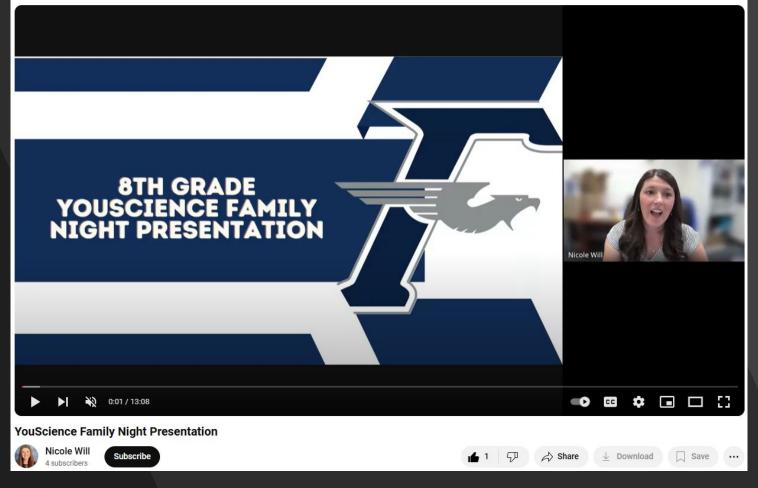
Kettering

Health Sciences



Using YouScience for a middle school family night





Teaching parents about their young person's results















DAYTON, Ohio (WDTN) – Even before getting their licenses, students spent time this summer, taking part in Sinclair's Automotive Summer Camp. The camp goes beyond driving, giving students a glimpse of potential future careers. "Basically, my whole life I've been into cars," says 13-year-old Ayden Hockett who ...

Recruiting for summer programs



Sinclair Built Environment (Construction) Open House Oct. 10th 5:30 pm - 7:00 pm

- Architectural Technology
- Civil Engineering Technology
- Construction Management Technology
- HVAC-R
- Sustainability & Energy
 Management Technology

Our goal is to have a faculty and a student from each program available for discussion and perhaps a small hands-on activity. Then we'll have a panel discussion at 6:30 pm including some industry folks.





YouScience Major - 9 17 2024	Aptitude High Fit	Interest High Fit	Overall High Fit
Architectural Engineering Technologies/Technicians	201	18	61
Architectural History, Criticism, and Conservation	0	33	42
Architectural Sciences and Technology	29	20	33
Architecture	3	47	0
Civil Engineering	215	70	63
Civil Engineering Technologies/Technicians	37	0	12
Construction Engineering	145	12	24
Construction Engineering Technology/Technician	108	1	5
Construction Management	0	2	6
Construction Trades, General	87	416	571
Energy Systems Engineering	228	296	153
Energy Systems Maintenance and Repair Technologies/Technicians	70	22	124
Energy Systems Technologies/Technicians	623	17	245
Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Tech	7	7	15
Heavy/Industrial Equipment Maintenance Technologies/Technicians	14	9	5
Mason/Masonry	48	78	101
Sustainability Studies	99	277	607





BUILT ENVIRONMENT OPEN HOUSE

For students in grades 7-12 and their families

October 10th, 5:30-7:30 p.m.

Sinclair Community College: Built Environment Lab
33 Eaker St. in Dayton



Sinclair Community College and Montgomery County Educational Service Center are teaming up to host an exceptional event for all students in grades 7-12 and their families who have interests in the construction trades. There will be a panel presentation by the professionals in the field and students currently in the Built Environments program. Come learn about all of the opportunities in this growing space!



Register today!









Using YouScience to target for specific college pathways





Using YouScience to target for specific college pathways

MCESC
MONTGOMERY
COUNTY
EDUCATIONAL

Action Steps

Help our Business Advisory Council close the exposure gap and reveal opportunities. As adults, we take for granted our understanding of the world, careers, and opportunities. Students in high school are learning what is possible — or haven't yet learned. One of the fundamental premises of education is to help all students expand their view of what is possible.

- Join our region's Business Advisory Council and support our local strategies connecting students to careers.
- Explore providing work-based learning opportunities to local students through partners like <u>SOCHE</u> and <u>YouthWorks</u>.
- Help stregthen our local industry group K-12 efforts by partnering with <u>GDAHA</u>, <u>DRMA</u>, <u>Technology First</u>, <u>DACC</u>, <u>DDC</u>, and more!

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- 2. Career Connections Monthly Surveys
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- 5. BAC Subcommittee meetings have begun
- 6. Bringing more employers into the fold

Oct. 1st Career Champions & Counselors Academy Site Visit: Public Health







Oct. 2024 Career Connections Report

B I U => X

Thank you for your ongoing efforts! This monthly form helps us gather updates on your district's activities in career connections. By submitting these updates each month, you're helping us prepare for a comprehensive Mid-Year Review in January, making the process smoother with a record of your district's achievements.

Additionally, your input allows us to effectively track and fulfill state requirements for career readiness. Congratulations on a successful Manufacturing Month—it's great to see so many schools actively participating!



Shout out to Brookville, Franklin, Kettering, Little Miami, Mad River, Miami Valley CTC, Miamisburg, MCESC, New Lebanon, Oakwood, Springboro, Valley View, and West Carrollton!



Dec. 9th Career Champions & Counselors Academy Meeting + Site Visit Reminder





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5G Broadband Infrastructure Credential program

30 students (plus 2 teachers), across 6 school districts.



As part of the program, students are diving deep into the history of wireless and cellular networks, learning about the evolution from 1G through 5G and beyond. They are gaining valuable insights into how data demand has shaped the development of cellular technology, positioning them to better understand the forces driving the future of communications and connectivity.



Julie Motz, School of Engineering, EMST Department, MCESC University of Dayton

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2024 Career Adventures Days



Over the 3 days, we saw over 900 students from Weisenborn Middle School (Huber Heights), Mad River Middle School, Northridge Middle School, Brookville Middle School, Jefferson Twp Junior High, and DPS International School.











Miamisburg Middle School: Career Expedition Day

General Information

Date: Monday, November 25, 2024

Time: 9:30 am-1:30 pm
 Location: Camp Chautauqua

• Who: Miamisburg Middle School 7th Grade Students (350)







Brought to you by: TECHCORPS

With support from: Hyland

2024 #CSEdWeek Educator Registration

Thank you for your interest in being part of #CSEdWeek!

Are **you** ready to empower students to visualize and explore a career in computer science while elevating their problem-solving skills? Join TECH CORPS and Hyland in creating pathways for the next generation of innovators during Computer Science Education Week (#CSEdWeek) December 9-15, 2024.

TECH CORPS will equip you with new, exclusive career-exploration activities for grades 3-8 educators to use during CSEdWeek.

We believe that every educator can be a computer science hero!

No computer science background is necessary to implement the activities with your students.



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Employer Engagement Menu



Field Trip Location Grade 3+, 1.5 -2 hours/visit

Host students and/or counselors and teachers to tour your workplace and discuss career options, required education, a typical day,

Classroom Speaker Grades K-12, 30-90 minutes

Visit a school and talk with a class about what it means to work in your industry.

Job Shadow Grades 6-8, 4-8 hours

Provide an opportunity for students to observe, discuss and participate in daily routines and activities for a particular job.

Power Lunches Grades 6-8, 1-2 hours

Staff a table at a school during lunch hour to promote your industry and the current and next generation jobs in your career field.

Career Fair Grades 6-12, 2-4 hours

Staff a booth to share advice on pursuing a career, skills and knowledge needed, and career roles and responsibilities.

Work-Based Learning **Grades 9-12, 6-8 weeks**

Provide professional work experiences (an internship, pre-apprenticeship, or apprenticeship) that apply to classroom learning and builds skills.

Teacher Externship Grades 9-12, 15-60 hours

Help teachers learn about careers for their students in your industry! Provide job shadowing, training, or similar experience that will help teachers bring workplace norms, tools and skills into the classroom.

Other ideas?

Informational Interview

Grades 6-12, 30-90 minutes

Answer student questions in person, by phone, email, or in a group about your profession or specific topic.

Resume Assistance/ Mock Interview

and interview skills.

Grades 6-12, 1-2 hours Provide feedback to students on their resumes

Let us know other ways you'd like to get involved.



ame	Company	Title		
mail	Phone	I'd like to participate in the BAC	□ Yes □ No	

MCESC.org | f/MontgomeryCountyESC | Im/Montgomery County Educational Service Center





Pathways for Accelerated College and Career Experience Program





Expanding our Career Navigator efforts!







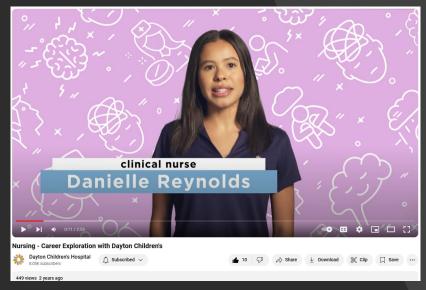


2024 Manufacturing Month

2024 Manufacturing Month School Registration

Health Professions Month

MFG Month tours: Carlisle HS, DPS Mound Street Academy, Fairmont HS, Kettering Middle School, MVCTC, Stebbins HS, Valley View Middle School, Waynesville, and West Carrollton HS.



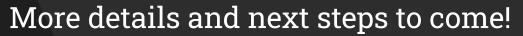






We're continuing to work on our regional pathway models.







BAC Partner Tracking

Industry Partners Who Have Attended:

- Catapult Creative
- Danis Construction
- Dayton Area Chamber of Commerce
- Dayton International Airport DRMA
- Deep Dive Consulting
- GDAHA
- Kettering Health
- Matthew Sauer, Architect
- Midwest Microelectronics Consortium
- Minster Bank
- Parallax Research Premier Health
- QQE
- Shook Construction
- Technology First
- The Heights Barbershop
- Wright Patt Credit Union

Higher Ed & Non-Profit Partners:

- Clothes That Work
- Dayton Art Institute
- Dayton Metro Library
- Digital Transformation Center
- Goodwill Easter Seals
- Junior Achievement
- Learn To Earn Dayton
- Sinclair College
- Urban League





Business Advisory Councils



BAC Subcommittee Tracking

Districts Who Have Attended

Brookville

Carlisle

Centerville

DPS

Franklin

Huber Heights

Jefferson Township

Kettering

Kings

Lebanon

Little Miami

Mad River

Miami Valley CTC

Miamisburg

Montgomery County ESC

Northmont

Northridge

Oakwood

Springboro

Valley View

Warren County Career Center

WCESC

Wayne Local

Districts Who Have Not Attended

Trotwood-Madison Vandalia Butler West Carrollton









Upcoming BAC Meetings

- Nov. 22nd Miamisburg Future Career Day
- Nov. 25th Miamisburg Career Day at Camp Chautauqua 9:00 1:30 pm
- Dec. 6th BAC Warren County Subcommittee 9:00 10:30 am
- Dec. 9th Career Champions & Counselors Academy Quarterly
- Main Meeting + Site Visit to Think Patented
- Dec. 9th 15th Computer Science Education Week
- Dec. 13th Montgomery County Student Advisory Delegation
- Dec. 17th BAC Student Engagement Subcommittee Meeting -
- 9:00 10:30 am



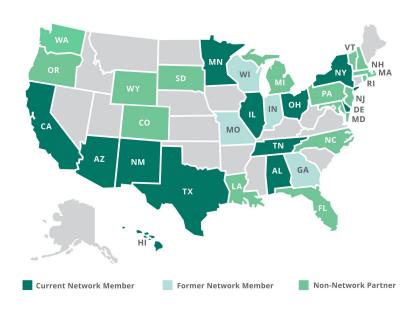


Pathways to Prosperity Partnership

Every young person has clear goals for college and career and the support to achieve them.

Every employer
has a talent
pipeline of young
professionals with
the skills needed
to contribute to
and lead the
workforce.

Every regional
and state
economy is
thriving and
provides its
citizens with
opportunities for
economic
advancement.

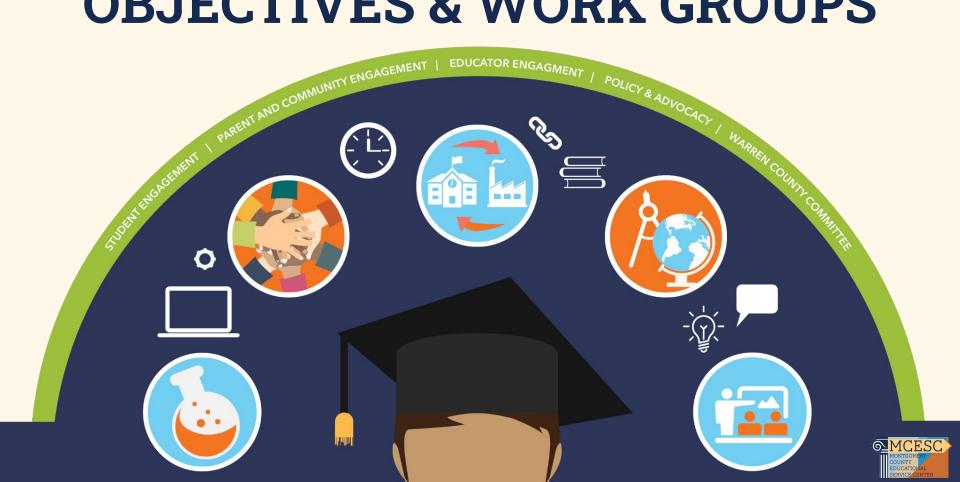




Reviewing our 2024-2025 BAC Plan



OBJECTIVES & WORK GROUPS



Educator Engagement

Educators are well-positioned to guide our students on a path toward career success if they have the training, curriculum tools and support from industry to increase their own awareness, knowledge and skills to support students' career planning.

Schools must provide opportunities for educators to connect to careers and curriculum designed to give students experiences to help them design plans after high school.



Industry must invest time and resources in our region's career connections work while acknowledging the challenges educators face.

Co-Chairs: Tommy Renfro & Nicole Will







I	Strategy		Actions	Responsibility	Timeframe
	Provide guidance and support for work-based learning	Schools	Promote statewide operational definitions of work-based learning and tracking of industry recognized credentials Provide and support implementation of Work-Based Learning Resources (guidance documents, OMJ readiness seals, preapprenticeships, job, shadowing, etc) Design & pilot WBL toolkit	Educator Engagement Subcommittee Industry Engagement Subcommittee	June 2025
	Industry		Partner with schools to help plug identified gaps with industry- relevant opportunities (speakers, tours, lunches, projects, etc)	Industry Groups	
	2. Utilize data to drive decision and increase career		Share Learn to Earn Indicators, Career Readiness Survey Data, and Snapshot Data with Career Champions, Counselors, Building Admin, MVRCD, Teachers	MCESC L2ED	June 2025
	readiness across the educational continuum	Meet with ten districts to review their career connections related data and brainstorm potential areas of collaboration	* Educator Engagement Subcommittee		
	Expand authentic experiences and activities connected to careers	Schools	Learn and promote career activities and tasks that align with content standards (technical and employability skills) Promote careers with each Industry Cluster, by generating resources and activities for one week's worth of programming for each cluster Host quarterly Career Champions/Counselors Meetings with Industry Tours Host Teacher Industry Experiences Explore best practices on region's teacher experiences efforts	All districts MCESC	June 2025
		Industry	Attend focus groups to develop career activity ideas and identify career alignment with content standards Host Teacher Industry Tours and Experiences	Local chambers of commerce Industry Groups	
	4. Create plug and play structural course alignment options for workforce sectors	Schools	Host Career Pathway Labs	MCESC L2ED Educator Engagement Team	June 2025
		Industry	Partner with schools in Career Pathway Lab Process	Local Chambers of Commerce Industry Groups	

Metrics

- # of BAC Pathways implemented in each BAC district
 # of students in each BAC Pathway in each school
- # of students in each BAC Pathway in each schoo district
- # of career-centered professional development opportunities offered
- # of educators impacted by professional development opportunities





Student Engagement

For students to be well-equipped to make a career plan, they must be aware of the diverse career opportunities that exist locally and beyond and understand what it takes to prepare for these careers.

Schools must offer opportunities for career experiences for students both inside and outside of school and assist students in making appropriate plans for after high school.

Industry must provide career experiences that help students explore their career opportunities and help advise schools and students on how to move effectively toward careers.

Co-Chairs: Kelsey Turner & Stephanie Hinds









Strategy	2	Actions	Responsibility	Time- frame
Expand opportunities for building career awareness with student input Promote the intentional and strategic use of student aptitude and	Schools	Utilize feedback from students (Inside Dayton, Student Advisory Delegation, Chief Science Officers) to inform communication & activities Deploy social media to promote educational and career opportunities utilizing existing networks including the County Communication Collaborative Organize five Career Connections Months of Action	Student Engagement Parent & Community Engagement Educator Engagement County Communications Collaborative All districts	June 2025
student input	Industry	Provide info/photos/etc for social media engagement Resource career activities (speakers, tours, WBL, etc)	Local chambers of commerce Industry Groups DDC	
	Schools	Utilize YouScience results in programmatic decision making and marketing opportunities Support districts in understanding their aggregate and individual student assessment results	MCESC All Districts	
student aptitude and	Industry	Develop and expand career connections opportunities based on industry-specific aptitude and interest data Explore additional funding opportunities for long-term use of software like YouScience	Local chambers of commerce Industry Groups DDC	January 200
3. Implement more robust K-5 career	Schools	Promote and expand best practices of career awareness programs and activities	* MCESC/All Districts	June 2025
awareness outreach	Industry	Resource career activities (speakers, tours, in-class demonstrations, etc)	* Local chambers of commerce/ Industry Groups/DDC	

Metrics

- # of Career Connections activities offered by each district per year
- # of students engaged in Career Connections Activities
- # of students completing YouScience
- # of students enrolling in post-high school training/education
- # of students completing degrees/credentials in top industries



Industry Engagement

For efficient and productive career experiences (i.e. internships, job shadowing, apprenticeships) to be feasible, we need a one-stop shop for industry and schools to connect.



Schools must provide flexibility in scheduling to allow students to participate in career experiences.

Industry must engage in meaningful partnerships and invest in opportunities for students to have career experiences while they are still in school.



- 39 industry, non-profit, and education partners participated in the Aerospace and Aviation Implementation Lab to strengthen the worker pipeline of our local K-12 and higher education ecosystem.
- 625 industry partners providing direct support to district career connections activities.
- 1,904 students engaged in work-based learning opportunities







Co-Chairs: Cassie Barlow & Amanda Byers



Strategy		Actions	Responsibility	Timeframe	Metrics
Develop partnerships	Schools	Organize Industry-specific College & Career Fairs & other career connection activities	MCESC All Districts		# of industry partners supporting cares activities across partner districts
to provide increased opportunities for career activities	Industry	Work with trade associations to engage with schools to build career awareness capacity	Industry Groups & Business Organizations SOCHE	June 2025	# of students engaged in work-based learning
Raise awareness about the value of work-based-learning (WBL) for both students and industry	Schools	Engage students and recent graduates to develop messaging on why WBL matters. Define examples of quality work-based learning amongst BAC districts	MCESC All Districts	June 2025	% of students within the BAC that have been placed in work-based learning experiences
	Industry	Engage industry partners to develop messaging and highlight success stories.	Industry Groups & Business Organizations SOCHE		# of business partners accepting students into work-based learning
Increase WBL opportunities within key industry sectors	Schools	Develop instructions on a district-by-district basis for opportunities for students to engage with WBL opportunities	MCESC All Districts		opportunities % of students who have earned an
	Industry	Highlight industry partners who are strategically partnering with schools	Industry Groups & Business Organizations SOCHE	June 2025	in-demand industry-recognized credential

Policy & Advocacy

A statewide approach is critical in addressing the needs of an ever changing workforce landscape.



Schools must inform policymakers on the needs and challenges of K-12 partners.



Industry must Inform policymakers on the specific needs of our future workforce.







This year's Co-Chairs: Richard Wegmann & Stephanie Keinath

*

Accomplishments

- 10 partners from education, industry, and the community attended the Pathways to Prosperity Fall Institute in October 2023.
- 3-pronged policy focus developed in support of and aligned workforce agenda that meets the needs of the current regional workforce demands.
- Pushing for FAFSA as a graduation requirement with an opt out provision
- Ensure that every higher education institution that prepares teachers grounds their reading instruction practices on the science of reading





Strategy		Actions	Responsibility	Timeframe
Advocate for policies	Schools	Provide feedback on barriers to implementation of career connections work	All districts	June 2025
that support the work of all BACs	Industry	Provide feedback on workforce needs and possible policy and legislative changes Help educate local employers on policies that work to support the future workforce	Chamber Industry Groups BBB DDC	
Provide real-world and school-based	Schools	Document local best practices to feature high- quality work-based learning and career connections experiences	All districts	June 2025
examples of success stories to support policies	Industry	Identify pragmatic incentives and policies to increase employers participation in work-based learning and career connections opportunities	Chamber Industry Groups DDC	
. Ensure stakeholder	Schools	Define what data is available and can be used to support continued advancement of opportunities for students	* All districts	
access to community workforce data	Industry	Explore available data and help identify strategies to close gaps in awareness and access to opportunities for students	Chamber Industry Groups DDC	June 2025

Metrics

Creation of policy agenda

of Legislative Briefings



We're working
with other regions to
unlock opportunities for
students, families,
and employers in
southwest Ohio.

>>> MISSION

Visionary Leaders Providing Exemplary Service



Business Advisory Council Policy Agenda

The Montgomery County Business Advisory Council has established an ambitious policy agenda to align its workforce requirements with the programs and practices that need to be in place to meet the current regional workforce demands and to ensure that the Dayton area has the workforce that is necessary for next generation jobs.

Goal: Ensure that Montgomery County increases reading proficiency rates for ALL students

Policy Focus: Science of Reading

Strategy 1: Monitor the work of all area higher education institutions to ensure that their reading curricula align with the reading standards promulgated by the Ohio Department of Higher Education. Strategy 2: Monitor the teacher preparation programs that provide the majority of teachers to Montgomery County schools to ensure that teacher candidates have a firm grounding on the Science of Reading...and that they are achieving "A" ratings from the National Council on Teacher Quality: https://www.nctq.org/review/standardScores/Reading-Foundations#state-OH

Strategy 3: Monitor the passage rates of area higher education institutions relative to the elementary reading licensure test.

Strategy 4: Monitor, in collaboration with the Montgomery County Educational Service Center, the work of area schools to select, secure, and use a high quality reading curriculum.

Goal: Work with the Montgomery County Educational Service Center to ensure that workforce pathways to help students achieve their career goals are in place.

Policy Focus: Career Pathways

Strategy 1: Work with Montgomery County Educational Service Center to fully implement the career pathways that have been designed for selected in-demand career areas (e.g., Advanced Manufacturing, IT/CS, Health and education).

Strategy 2: Work with the Dayton Public Schools, Kettering City Schools and Waynesville Local Schools to fully implement the PACCE program.

Strategy 3: Work with area legislators on the passage of legislation that will help strengthen the delivery chains associated with creating the region's next generation workforce (e. g., HB 312 and HB 71).

Goal: Work with all area school districts and educational stakeholder groups to address student attendance and chronic absenteeism rates.

Policy Focus: Student attendance program incentives

Strategy 1: Work with Learn to Earn Dayton and the Montgomery County Educational Service Center to sustain the county-wide school attendance campaign.

Strategy 2: Work with area legislators and stakeholders to identify how best to support efforts to encourage student attendance through either legislation (e.g., HB 348) or the use of social media.



Parent and Community Engagement

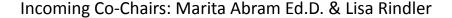
Our region is rich in career and educational opportunities, but our parents and community need to better understand how they can be advocates for students' success.

Schools must share with parents and the community what is already occurring to help prepare students for their futures. They must highlight the diversity of industries that can lead to successful careers.

Industry must collaborate with schools to create opportunities for industry exposure that elevates the community's understanding of locally available careers.









Strategy	y Actions Responsibility		Responsibility	Timeframe
Leverage all available career connections content to ensure BAC districts have	Schools	Develop a plan for storing, organizing, and ensuring access to career connections content available to caregivers Design a content calendar to align with local and state career connections initiatives and events Explore potential partnership with parent & caregiver groups	All Districts MCESC County Communications Collaborative	June 2025
access to the full port- folio of resources	Industry	Provide career connections content and list of non-profit partners to engage	Industry Groups Think TV Local chambers of commerce DDC	June 2025
Utilize social media and other communi- cation sources as well as events to promote	Schools	Focus efforts on our Career Connections Months of Action Deploy content each month in concert with external industry and non-profit partners expanding parents understanding of upcoming events Promote and support the STEM Future Fair Map out caregiver facing social media groups for BAC geography	All Districts MCESC County Communications Collaborative DO STEM	June 2025
career connections with parents and community	Industry	Provide industry data, success stories, and photos, to support communications teams with parent and community outreach Leverage traditional media partners to share career connections successes and messaging	Industry Groups Think TV Local chambers of commerce DDC	June 2025
3. Research and promote best	Schools	Align Career Navigators & College Access work to the overall BAC goals Utilize parent connections to increase participation of industry partners in districts	All Districts MCESC Higher Ed Partners	June 2025
practices for engaging families and community in career connections work	Industry	Provide videos, events, and other resources	Industry Groups Think TV Local chambers of commerce DDC	June 2025
Expand partnerships with community organizations to	Schools	Focus on K-5 career connections outreach and PTO groups Organize outreach to alumni and recently graduated seniors Engage in outreach to community/hon-profit organizations including the Summer & Afterschool Collaborative	* All Districts * MCES * Higher Ed Partners	June 2025
further embed career connections in the community	Industry	Provide necessary information for outreach communications	Industry Groups Think TV Local chambers of commerce DDC	June 2025

Metrics

- % of districts sharing career connections content targeting families/caregivers
- % of partner districts highlighting to caregivers ongoing K-5 career connections outreach
- % of partner districts highlighting alumni and recent graduates
- # of community partners engaged in career connection activities

Warren County Working Group

This special committee serves as a resource for Warren County member districts to apply the larger efforts of our BAC to their localized framework.





Co-Chairs: Tom Isaacs & Chad Bridgman



Accomplishments

- 3 informational meetings regarding local workforce opportunities were held.
- 6 employers from 4 in-demand sectors participated in a panel sharing insights into their profession and ideas for future workforce development.
- Convened a major employer spotlight to discuss significant investment by Honda and LG and upcoming workforce implications.





Warren County Business Advisory Council

Meeting Details:
Friday, October 4, 2024
9:00 a.m.
Warren County ESC Conference Center
1879 Deerfield Road, Lebanon

Agenda

Chad Hilliker, Superintendent and
Donna Lauver, Workforce Innovation Network Executive Lead
from Hamilton County ESC
will provided information and discussion regarding Linked Up Connect

Linked Up Connect is a career exploration hub integrated into your school's Learning Management System. Students can complete the Junior Achievement Career Interest Inventory to find opportunities that match their interests and location, ranging from informational interviews to internships. Parents must provide permission for participation, ensuring transparency. Educators can also use the system to connect with local businesses for externships, speakers, mentors, and field trips. Businesses can easily register and are onboarded by the Workforce Innovation Network (WIN) team, offering a secure way to support the future workforce.

October 4: Joined by Chad Hilliker and Donna Lauver from Hamilton County ESC

December 6: Joined by Dr. Joseph Tadlock, who serves as Director of Research and Accountability for the Southern Regional Education Board

2 more meetings in 2025: Feb. 7th & April 4th





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Main takeaways for this year's plan!

- 1. Expand capacity with career navigators
- 2. Expand work based learning and credential attainment
- 3. Leverage student data more effectively
- 4. Partner with our in-demand sectors

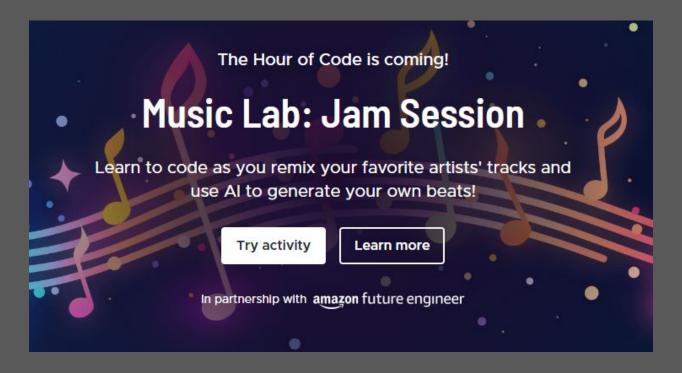


General Discussion

Biggest questions? Does any area stand out to you?

Potential Action Items / Major Takeaways?





Make a plan for Computer Science Education Month!

Please support the BAC by serving on a subcommittee!





Ensure your district is attending our Career Champions program and/or ensure you're sharing out resources we can highlight in our upcoming meetings!





Thank you to all the local businesses who have hosted our counselors over the years!















Community Tissue Services*























Dec. 9th

Next Career Champions meeting is coming up!



Commit to working with SOCHE to help employ local students!



Help us compile our Career Connections Master Calendar for this school year.



Make sure you're on our BAC mailing list!

Check with Bryan!

Search your inbox for "Business **Advisory Council** Wrap-Up"...

August 2024 MCESC Business Advisory Council Wrap-Up (External)





Bryan Stewart

bryan.stewart@mcesc.org>

to Shannon, bcc: Alby, bcc: Adam, bcc: Adam, bcc: Adriane, bcc: Alannah, bcc: Allyson, bcc: Amanda, bcc: Amanda, bcc

Greetings, members of our Business Advisory Council!

August is wrapping up and we wanted to provide an overview of our region's Business Advisory Councelebrate Skilled Trades Appreciation Month across our 23 partner school districts!

Highlights:



1. We lead the state of Ohio in YouScience implementation.

Check out this new student-facing video that explains YouScience. Montgomery County ESC will be c







