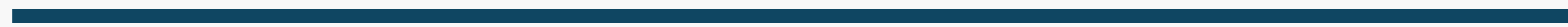


Career Navigators

SuccessBound 2025

March 6, 2025



Team Members



Nicole Will

Kettering City Schools



Katie Grothaus

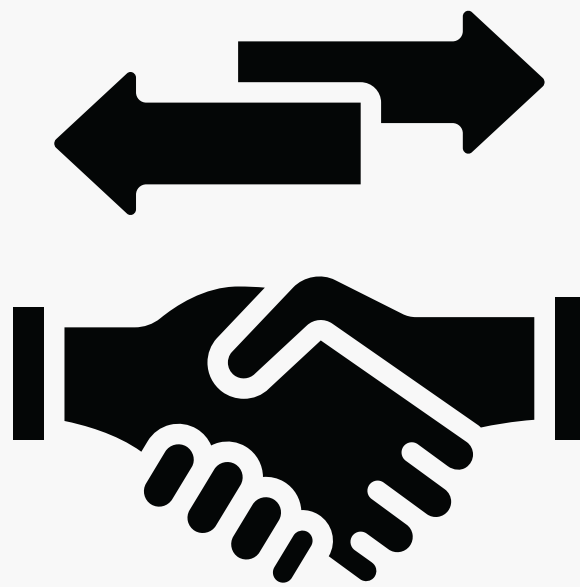
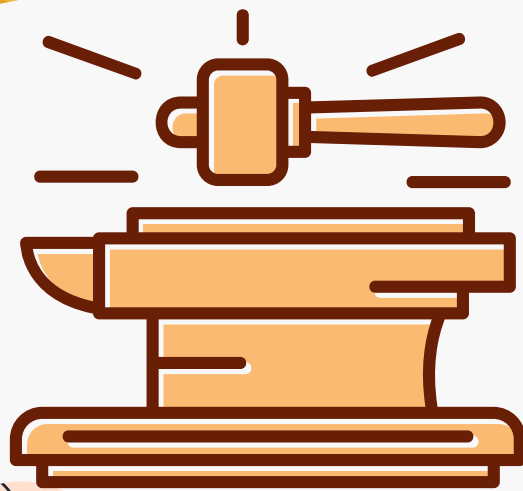
Montgomery County ESC



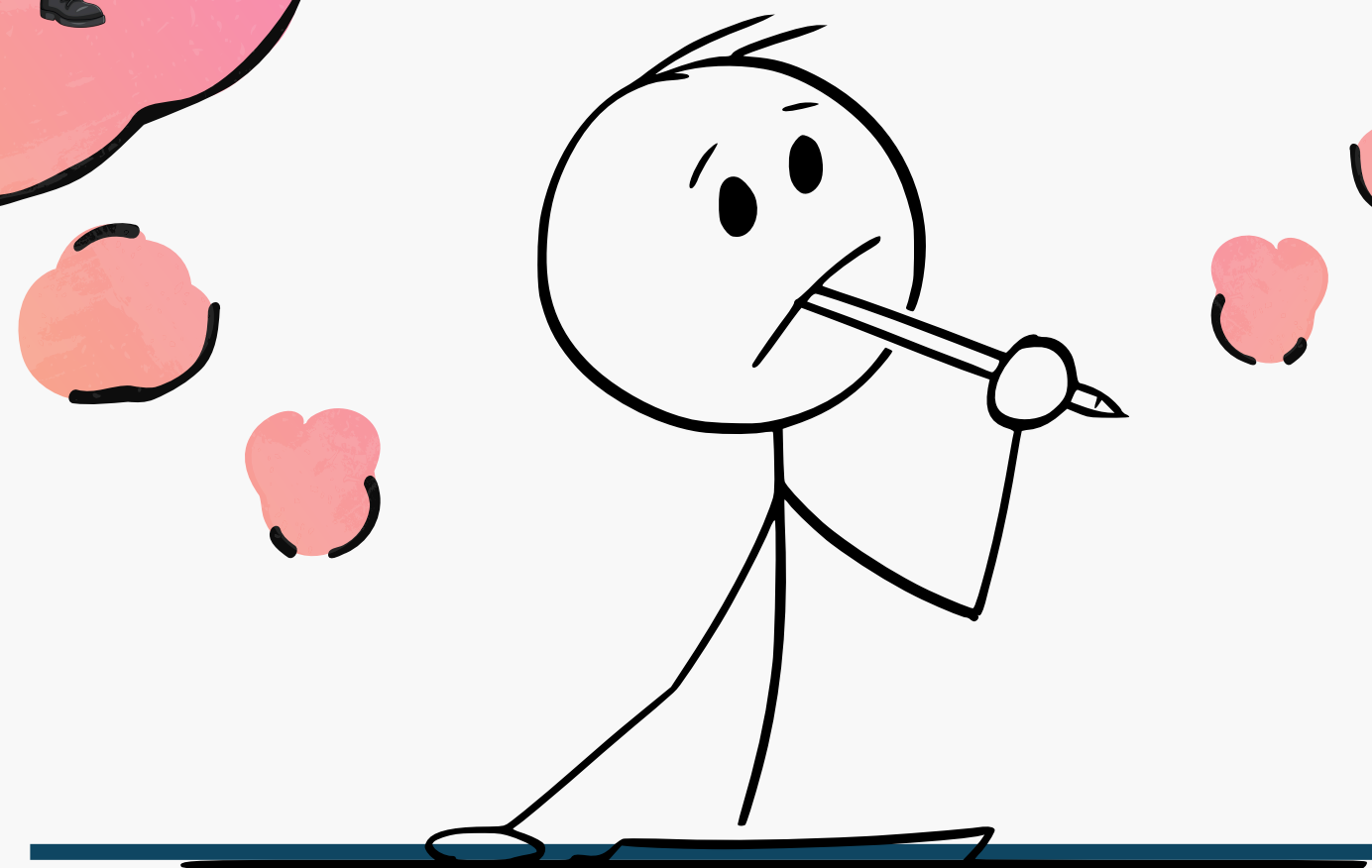
*A long time ago, in a village far, far away, lived
a boy....*



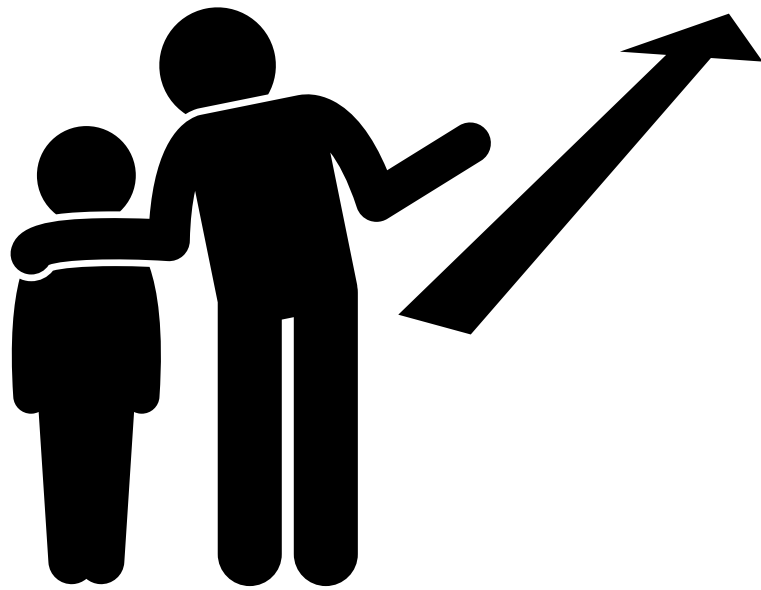
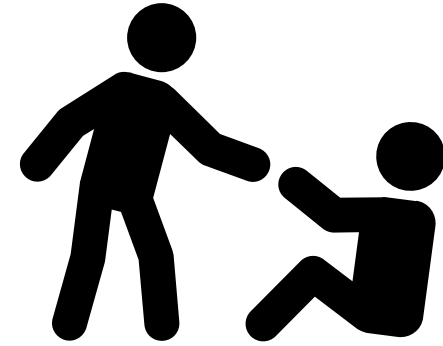




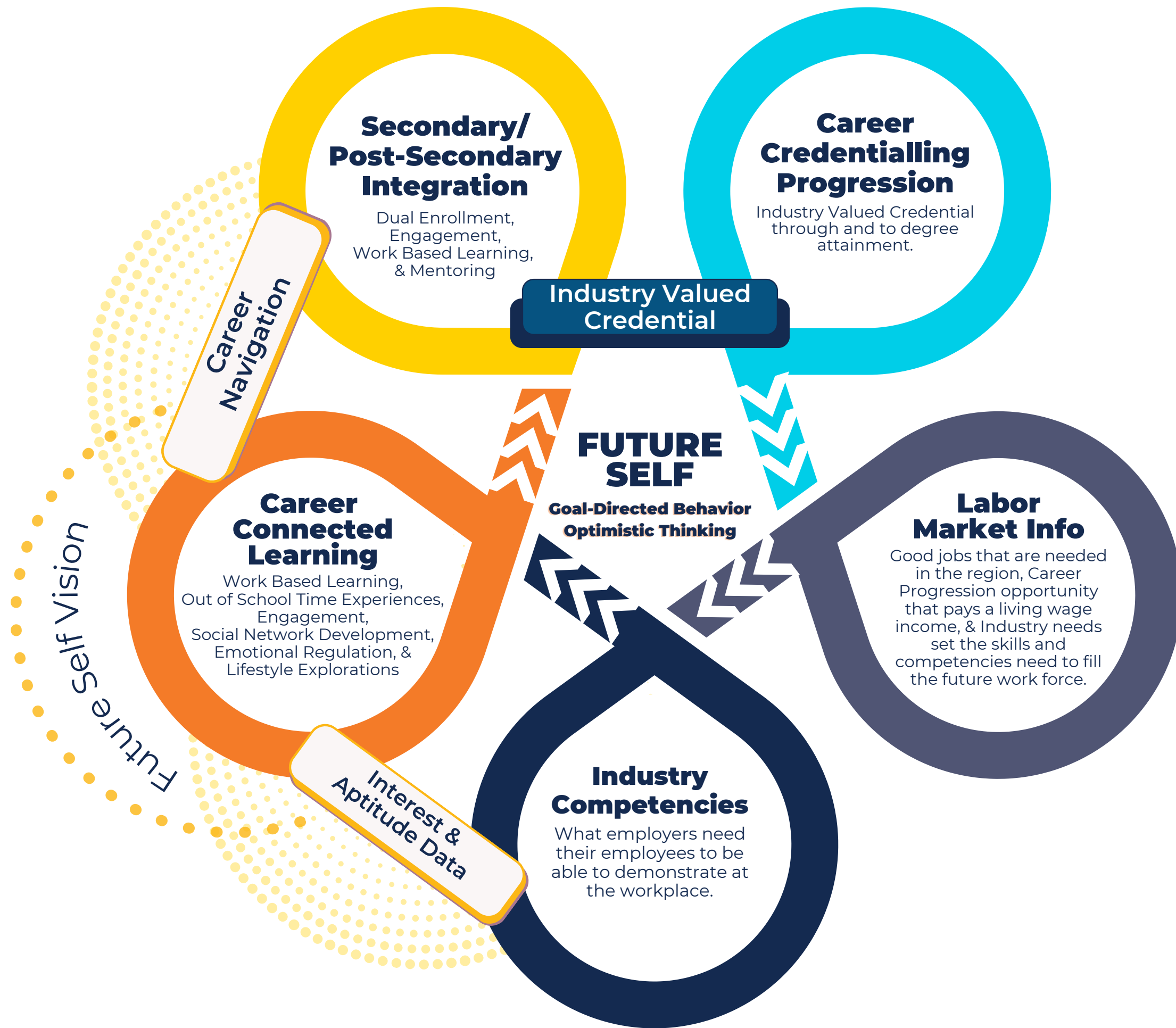


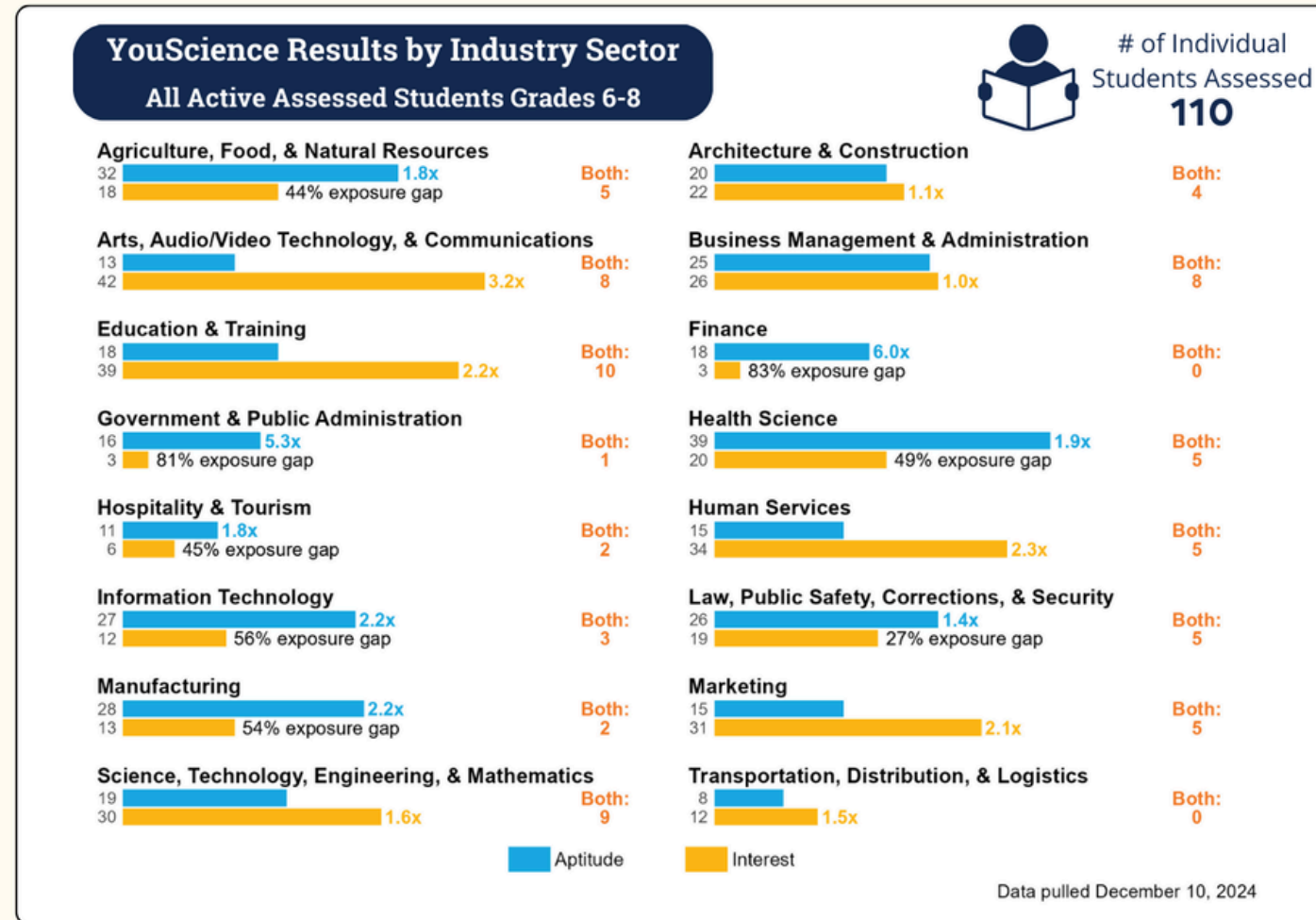


Imagine...



Education
Mentorship
Skills
Coaching
Certifications
Success





Why Aptitudes Matter

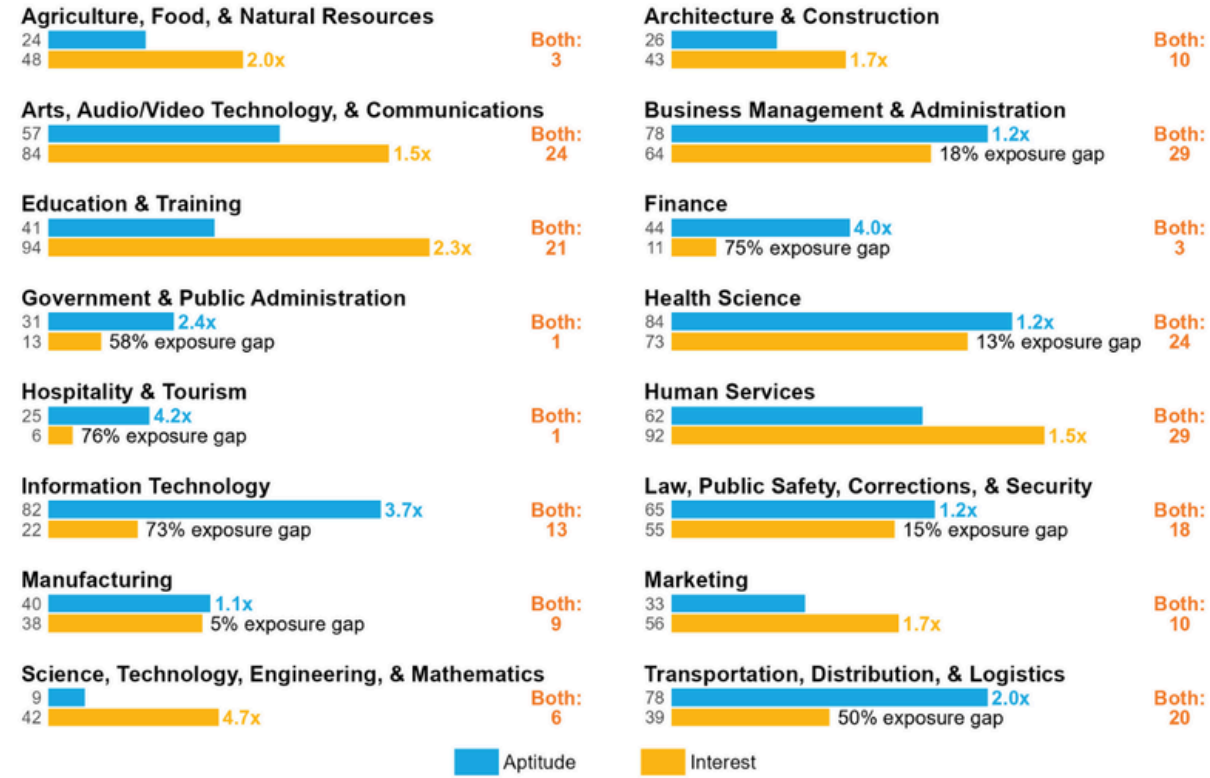
Most career assessment tools rely solely on interest and personality surveys. YouScience combines psychometrically valid brain game-like exercises that uncover students' aptitudes along with an interest inventory.

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, lets students self-discover their talents, gain self awareness, and find career opportunities that align with those talents. This data 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 and will find satisfying because mastering the skills needed will be natural rather than stressful.

YouScience Results by Industry Sector All Active Assessed Students Grades 9-12

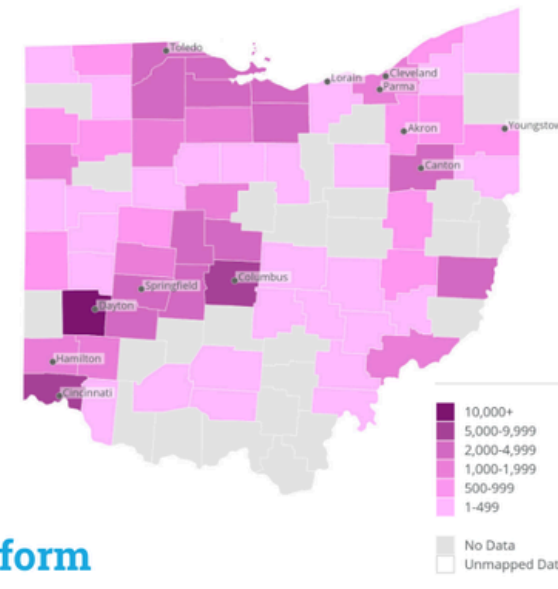
of Individual Students Assessed
260



Data pulled December 10, 2024

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 job openings, education requirements, day-in-the-life insight, and more. Results include language to assist with resumes, application essays, and interviews. This data helps make the case for private sector partners to get involved in K-12 career connections efforts.



1 Million students using the platform

100,000+ surveyed in Ohio

10,000+ surveyed* in Montgomery County *(BAC & Non-BAC)

Career Readiness Plan

Comprehensive Career Readiness Plan 2024-2025

District: Valley View Local Schools
of students impacted
[Valley View Career Experiences](#)

Elementary

Middle School

High School

August

Student Training Day #400
Student Career Interest Form #400 [VV Survey](#)
YouScience Grade 10-12 (Week of August 26-30th) #250
Find Your Grind Accounts set up for Jr. High #250
Career Videos & Reflection Questions #400, #250, #375

September

STEM- Job Shadow at Beta Technologies (Sept 27th) #40
"Ohio Tech Day"
STEM Career Videos & Reflection Questions #400, #250, #375
Lunch and Learns STEM Fields #250

October

Elementary Career Fair (October 4th)#850
Forensic Career Day (October 17th) #40
~~8th Grade Math Construction Unit w/ ABC #125~~
Trades Career Videos & Reflection Questions #400, #250, #375
Lunch and Learns Skilled Trades #250
Conger Construction, Tour of new HS #6
8th Grade Career Days, WSU, MVCTC and Site Visits to Dysinger
Incorporated (Adv. Man), PTC Steel (Adv. Man), Sheet Metal Workers
Local 24 (Carpentry)
Introduction to Education, Miami University Visit #22

November

Focus on Your Future Day (November 2nd) #400
Military Spotlight Day (November 8th) at HS in AM #400
Military Spotlight Day (November 8th) at [MS](#) for Lunch #250
Military Career Videos & Reflection Questions #400, #250, #375
5G Credential, University of Dayton Visit/Course #8
Financial Literacy Game

December

Hour of Code, Doing in Lab #400
Lunch and Learns Computer Science/IT #250350
Technology Career Videos & Reflection Questions #400, #250, #375

Career Readiness Plan continued

January

[Course Alignment with Pathways](#)

[Revised Work Based Learning Agreement](#)

[AES Energy Guest Speaker in 7th Grade](#)

[Adv. Man. & Eng. Career Videos & Reflection Questions #400, #250, #375](#)

[Lunch and Learns Advanced Manufacturing & Eng. #250](#)

February

[Site visit with Sinclair, Friday, Computer Science and IT - Feb 21st #40](#)

[Liberal Arts & Educ. Career Videos & Reflection Questions #400, #250, #375](#)

[Lunch and Learns Liberal Arts/Teaching #250](#)

[Dayton Art Institute visits HS Arts Students #30](#)

March

[Junior Achievement Inspire to Hire, March 18th #40 *Skilled Trades](#)

[Trades Career Videos & Reflection Questions #400, #250, #375](#)

[Lunch and Learns Skilled Trades #250](#)

[Intro to Business - Success in the Real World \(4 Day Training\)](#)

April

[Job Shadow Kettering College & Kettering Hospital #40](#)

[Healthcare Career Videos & Reflection Questions #400, #250, #375](#)

[Lunch and Learns Health Professions #250](#)

May

[Junior Achievement Entrepreneur Unit #125](#)

[7th Grade Entrepreneur Day, Wed May 14th #125](#)

[In Demand Jobs Week, Junior Achievement Unit #850](#)

[In Demand Jobs Week, Junior Achievement Unit #250](#)

[In Demand Jobs Week, Junior Achievement Unit #400](#)

[Find Your Grind Lifestyle Fair, 8th Grade #125](#)

[Real Money Real World by OSU, 8th Grade #125](#)

[6th Grade Dayton Art Institute Career Days #125](#)

[Job Shadow at Dayton Arts Institute #40](#)

[6th Grade The Amazing Handshake #125](#)

Spotlight Career of the Month:

[HS CAREER VIDEOS LINK](#)

September:

[STEM Grade School Videos](#)

[STEM Middle School Videos](#)

October:

[Skilled Trades Grade School Videos](#)

Monthly Career Focus District Wide



Check out these Skilled Trade Careers and questions to spark additional career interest in your classroom!

HEAVY EQUIPMENT OPERATOR

SHEET METAL WORKER

PLUMBER

IRONWORKER

CARPENTER



CONTACT ME >

 katie.grothaus@mcesc.org



CAREER NAVIGATION

KCS Monthly Career Focus Areas: PS-12

September: Skilled Trades

October: Advanced Manufacturing/Engineering

November: Healthcare

December: Information Technology/Computer Science

January: Public Service/Humanities

February: Business

March: Aviation/Aerospace

April: Arts/Communications

May: Education

Elementary: Career Awareness PS-5

- *Creating career awareness through guest speakers, project-based learning, career weeks*
- *Wonders Curriculum*
- *Focus on STEAM Education and STEAM state of mind*
- *STEAM leaders in each elementary school*
- *Weekly announcements read by the principals to highlight a career in our monthly pathway. Announcements incorporate our Portrait of a Graduate Traits*
- *Monthly poster of career pathways that teachers use*
- *Elementary STEAM Night*

Advanced Manufacturing and Engineering CAREERS

WHAT IS MANUFACTURING & ENGINEERING?
Advanced manufacturing and engineering careers involve using technology and innovative techniques to design, build, and create products that improve our lives. Engineers work on exciting projects like designing robots, building skyscrapers, and inventing new gadgets.

Interesting Facts:

- Did you know that there are lots of different types of engineers like civil engineers, mechanical engineers, and biomedical engineers?
- Different career paths require different levels of education:
 - Some engineers are in college for 4-8 years
 - Engineering Tech degrees can be earned in 2 years
 - Students can start working in manufacturing jobs right out of high school
- Many manufacturing and engineering companies will pay for you to go to college and work at the same time!
- Advanced manufacturing and engineering use high-tech tools and machines, like 3D printers and robots

Did you know that Fairmont High School has two different CTC programs for students interested in engineering and manufacturing?
Ask your teacher to scan the QR codes below to see the classrooms that students learn in at Fairmont.

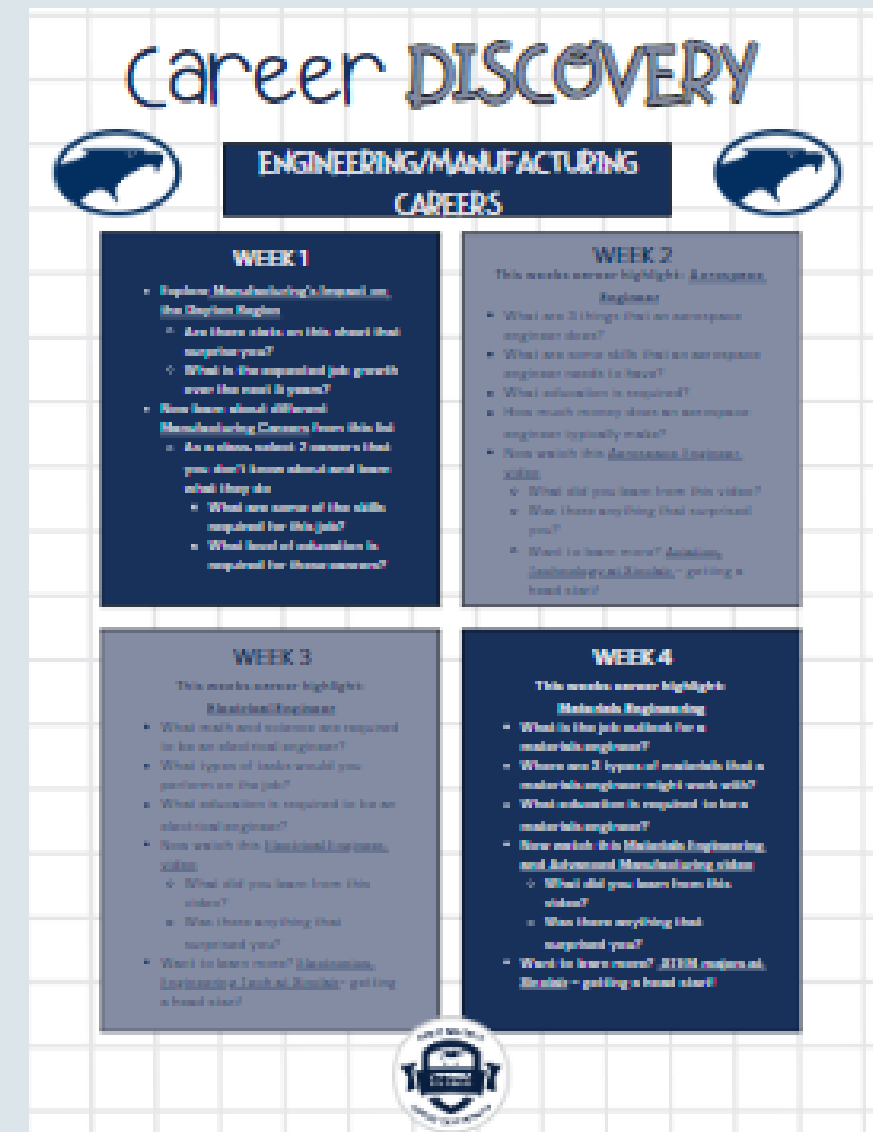
CAREER TO CLASSROOM CONNECTION!
Did you know that communication skills are important for engineers and manufacturers? Practice sharing your ideas, asking questions, and explaining your thinking to others. Math and science are super important for students who want to be engineers! In addition to CTC, students at Fairmont take classes like Physics and Calculus!

Engineering Advanced Manufacturing

**GREAT SCHOOLS
KETTERING
City Schools
GREAT COMMUNITY**

Middle School/early High School: Career Exposure 6-10


- Students take YouScience career assessment in grade 8 and again in grade 10
- field trips
- monthly lunch and learn at the middle schools based on district career pathway
- weekly career lessons built into homeroom time
- changes to our schedule to allow for more electives and opportunities to explore careers through MS/HS courses
- updated career pathway course guides in our Program of Studies
- YouScience Career Exploration Family Night



Career DISCOVERY

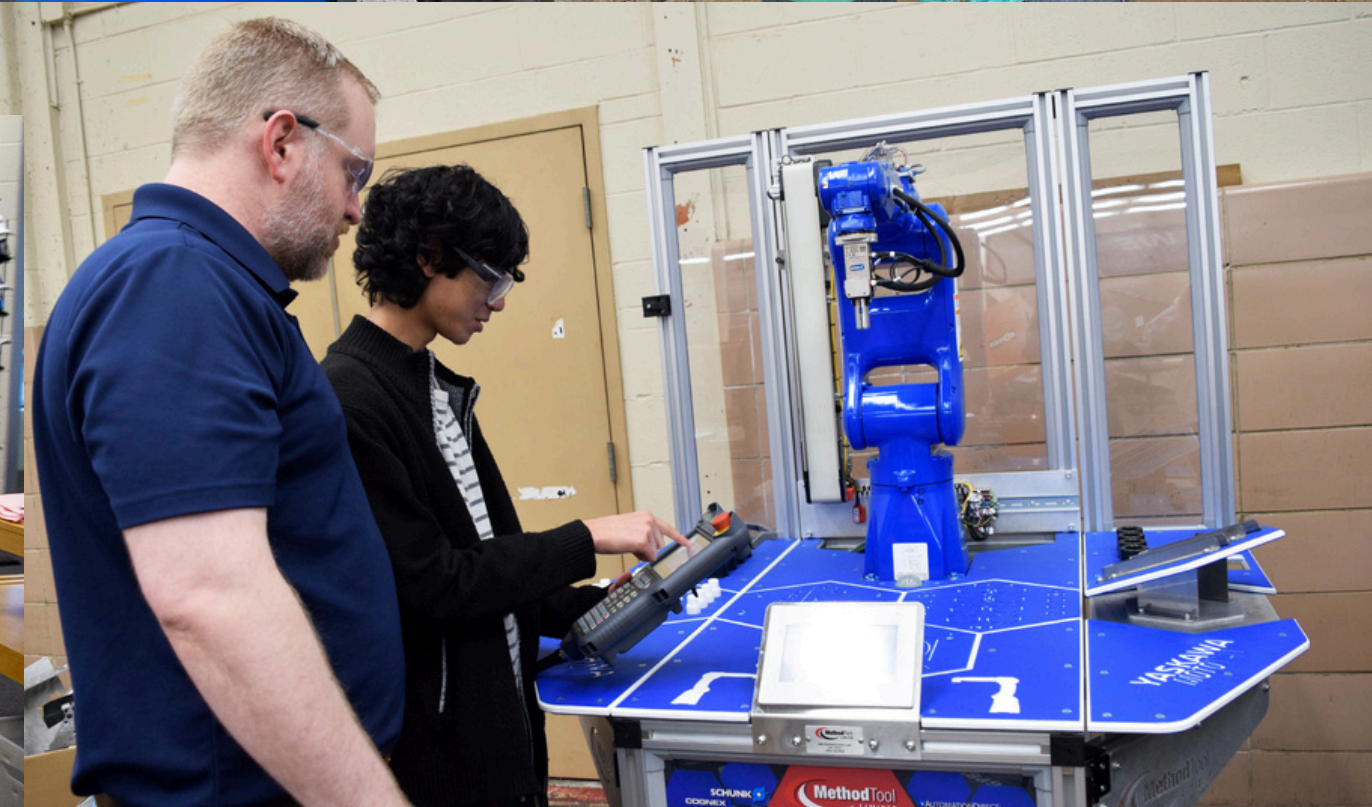
ENGINEERING/MANUFACTURING CAREERS

| WEEK 1 | WEEK 2 |
|---|---|
| <p>WEEK 1</p> <p>This week's career highlights: Automotive Engineer</p> <ul style="list-style-type: none">• Explain Manufacturing's Impact on the Region Region• Are there skills on this sheet that surprise you?• What is the expected job growth over the next 10 years?• How have roles changed?• How have roles changed?• How much money does an automotive engineer typically make?• How much education is required?• How much money does an automotive engineer typically make?• How much education is required? | <p>WEEK 2</p> <p>This week's career highlights: Automotive Engineer</p> <ul style="list-style-type: none">• What are 3 things that an automotive engineer does?• What are some skills that an automotive engineer needs to have?• What education is required?• How much money does an automotive engineer typically make?• How much education is required?• How much money does an automotive engineer typically make?• How much education is required? |
| WEEK 3 | WEEK 4 |
| <p>WEEK 3</p> <p>This week's career highlights: Materials Engineer</p> <ul style="list-style-type: none">• What are 3 things that a materials engineer does?• What are some skills that a materials engineer needs to have?• What education is required?• How much money does a materials engineer typically make?• How much education is required? | <p>WEEK 4</p> <p>This week's career highlights: Materials Engineer</p> <ul style="list-style-type: none">• What are 3 things that a materials engineer does?• What are some skills that a materials engineer needs to have?• What education is required?• How much money does a materials engineer typically make?• How much education is required? |



Career Experiences and Pathways: 11-12

- *Students are guided into a pathway*
- *CTE, Advanced Studies, CCP*
- *Creating Career Experiences for ALL students*
- *Work-Based Learning*
- *Job Shadowing*
- *Field Trips*



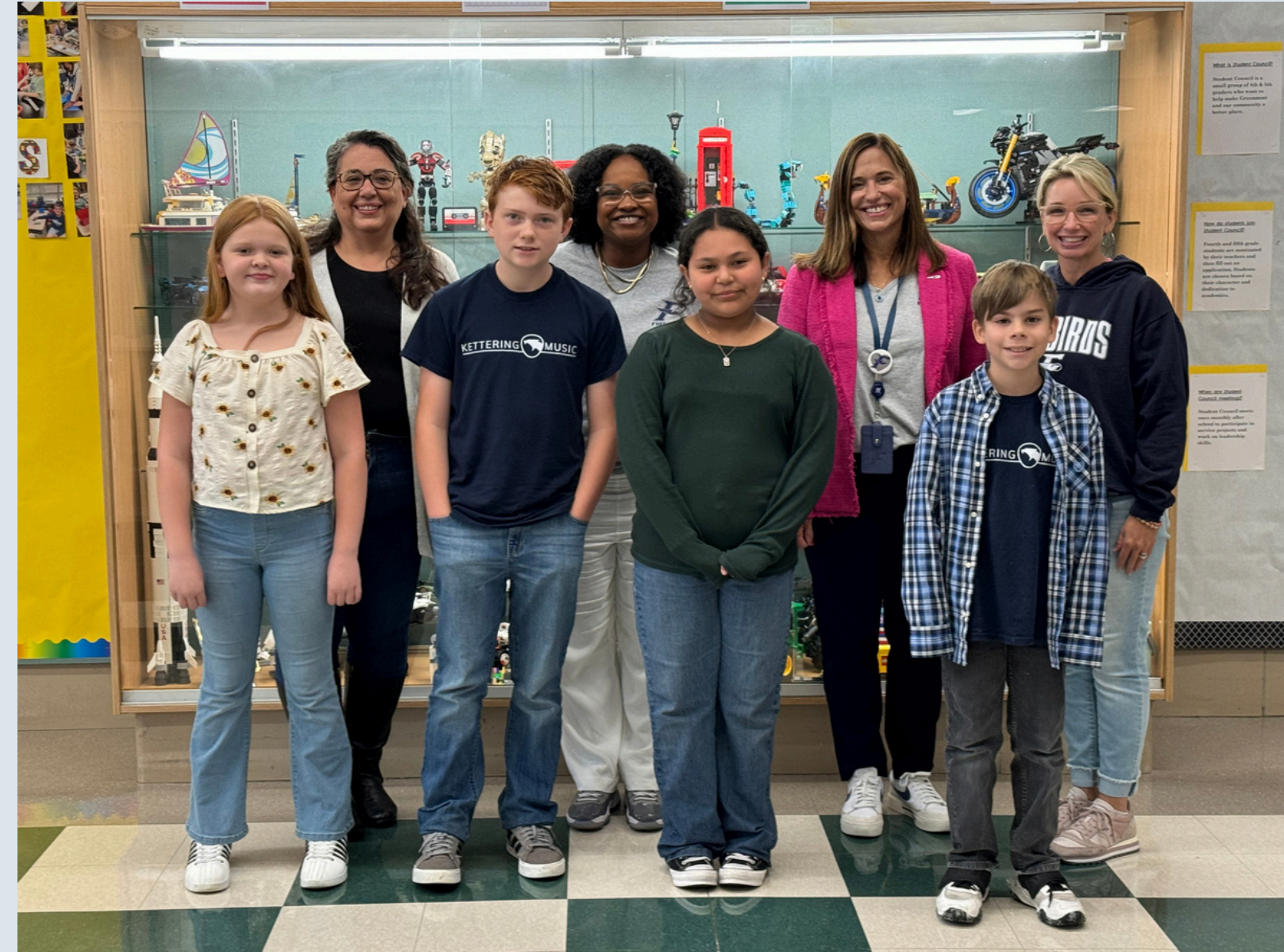
Creating a Career Readiness Culture

- Quarterly staff immersion events to engage KCS staff with in-demand career fields by visiting businesses in the area.
- “This experience gives you knowledge to help relay to students what opportunities there are in this career path. Also what we need to be developing in students to help them be successful in the workforce. Perseverance, communication skills, problem solving skills and working with a team are a few.” - KCS Teacher



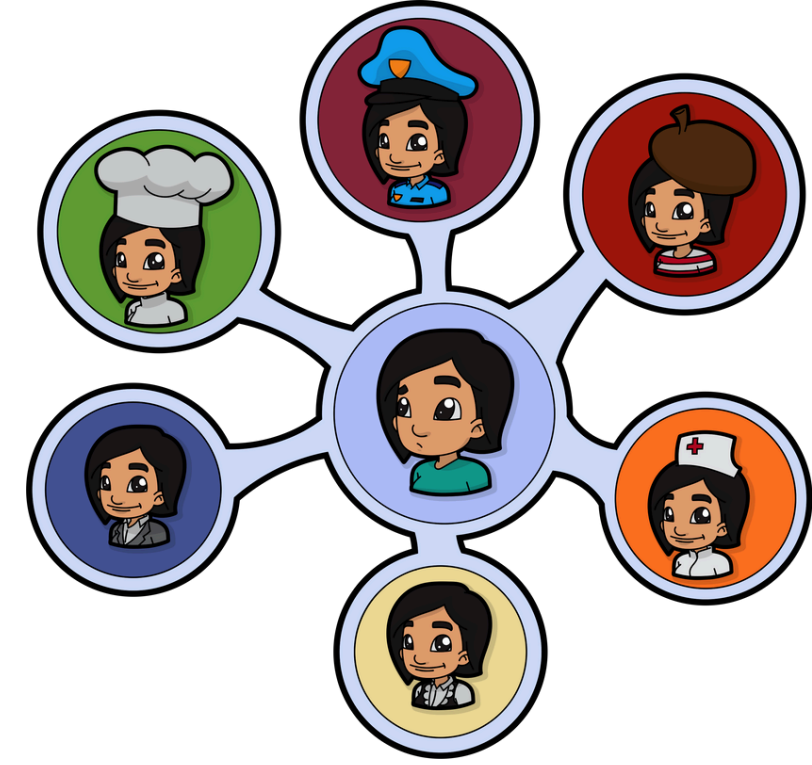
Educating Caregivers and the Community

- Updates in our weekly Superintendent newsletter
- Partnering with the KCS Forward Foundation to engage alumni
- Updates in principal/parent newsletter following all events with pictures and information
- Presenting at board meetings and community meetings
- Sponsoring Family Events: YouScience Night, STEAM Night, Summer Community Hotdog Roasts



F U T U R E
FOCUSSED
KCS WORKFORCE DEVELOPMENT

We want our students to make INFORMED decisions about their future!



Why?

“Career development allows individuals to discover who they are, what they like to do and what they do best. Many students are frustrated in school because they do not see the link between their coursework and goals for the future.”

“The field trip to FC Industries confirmed that I definitely want to be an engineer”

“I don't think this career field is for me, but I'm glad that I went and found out before I made any long term decisions.”

From our data we can see that students career interest is only as good as their exposure. They only know what they've been exposed to. It is our job to expose them to careers that are

- high demand
- high growth
- high compensation

Once students have been exposed to a variety of careers and explored not only what they are interested in but also what they are naturally good at (their aptitudes), they can make more informed decisions about:

- What they want to do with their future
- The best way to go about meeting those goals (education, employment, enlistment)

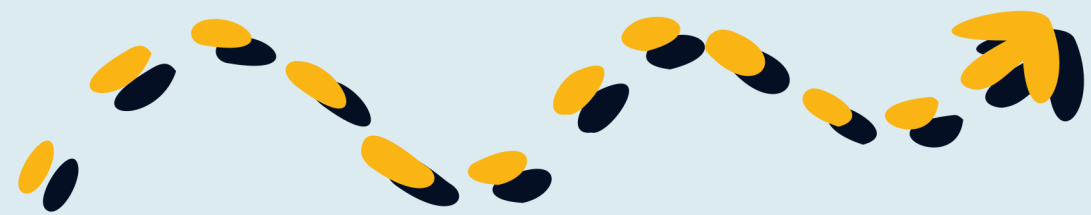
Expected Outcomes:

- College degree completion to increase
- Students who become happy and professionally fulfilled adults in our community
- Students who have the skills and knowledge to adapt to an everchanging workforce

“Today, out of all students who started college six years ago, 37.7% have yet to complete any degree or credential,” said **Doug Shapiro, Executive Director, National Student Clearinghouse Research Center**. “And with only 8.9% still working on it, the remaining 28.8% amounts to too many who are short of their dreams and left out of the educated workforce of the future.”

CAREER

NAVIGATOR



DAY!



Wednesday, June 4th



9 AM - 3 PM



6 CEUs



MCESC Board Office



Free!

This will be great day for teachers, counselors, curriculum directors, administrators, and others wanting to learn more about putting career navigation action plans in place!



Register Now!

Scan the QR code or go to tinyurl.com/careernavday



Thank you



Nicole Will - KCS Career Navigator
nicole.will@ketteringschools.org



Katie Grothaus- MCECSC Career Navigator
katie.grothaus@mcesc.org