

Montgomery & Warren County Student Snapshot

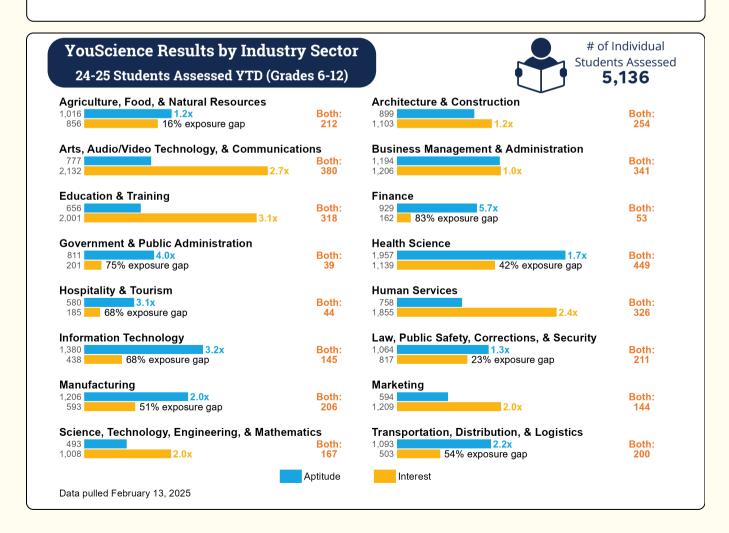
Introduction

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.

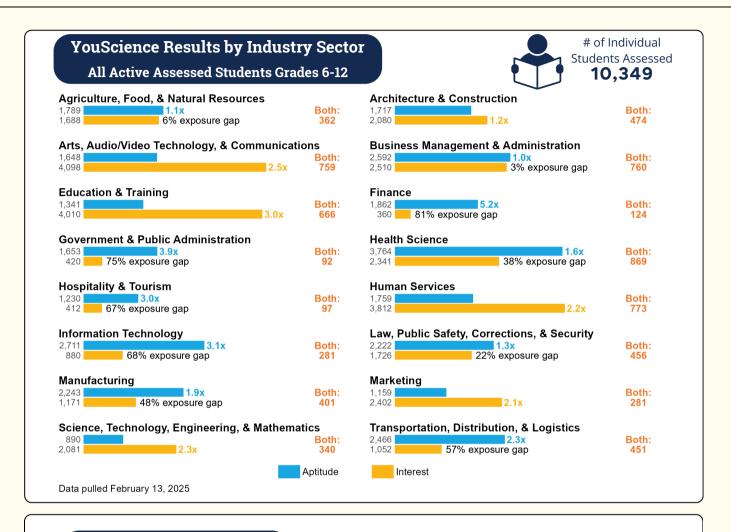
This overview shows the number of assessed students who show a natural aptitude and interest in our targeted industry clusters. This data highlights our region's students' awareness and exposure gaps, revealing areas of opportunity for improvement.

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.



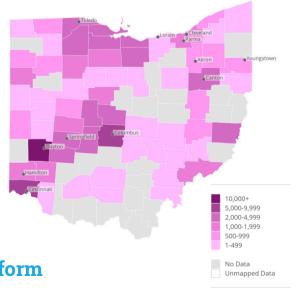






The Power of YouScience

YouScience matches students' aptitudes with 500+ careers, including their top 15-20 best fit careers. Career matches also include salary ranges, projected 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.



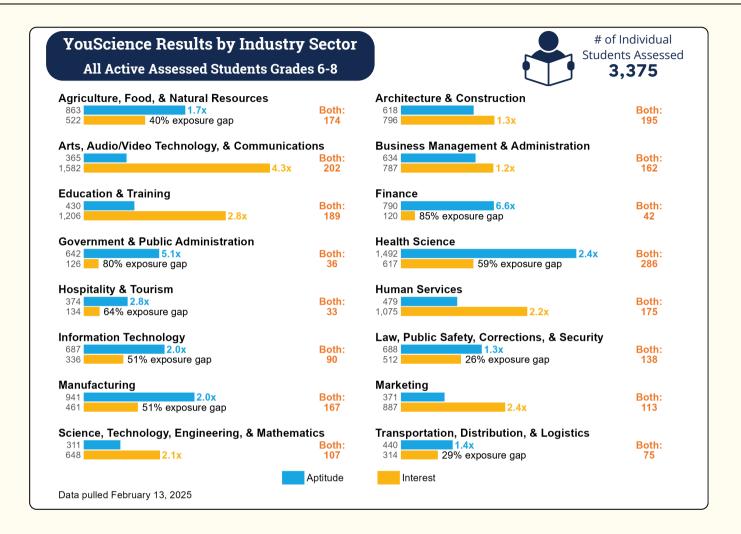
1 Million students using the platform

100,000+ surveyed in Ohio

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



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Why Aptitudes Matter

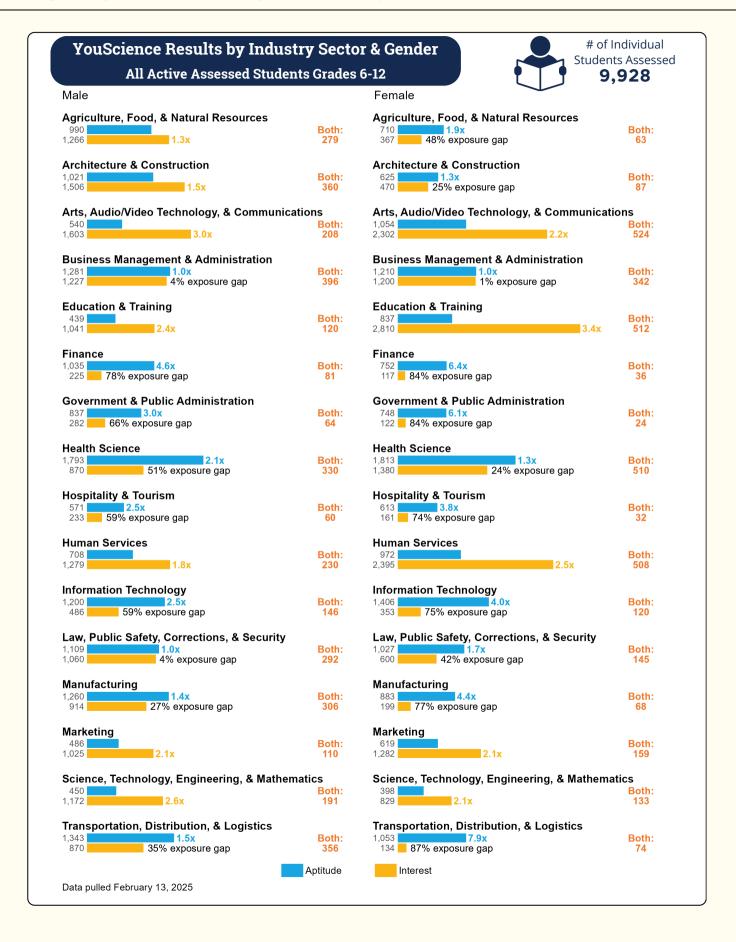
Most career assessment tools rely solely on interest and personality surveys. YouScience combines psychometrically valid brain game-like exercises that uncover students' aptitudes along with an interest inventory.

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.







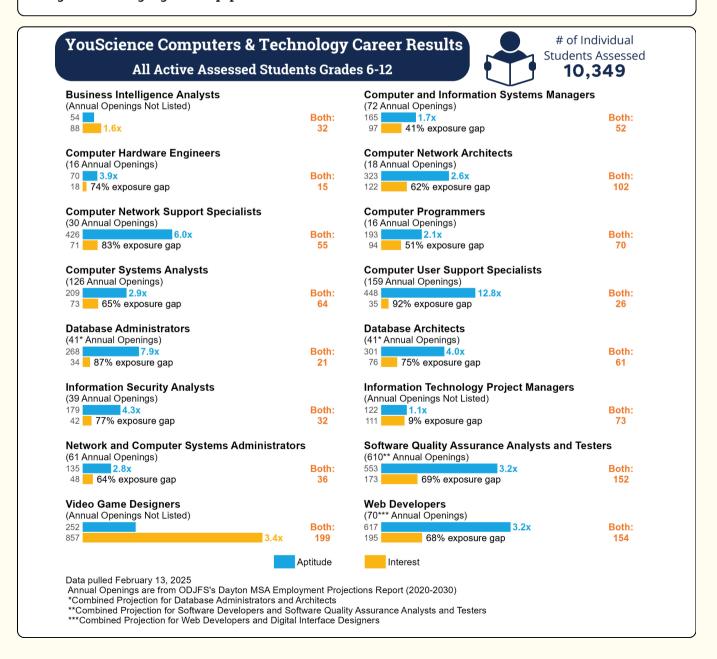




Career Connections Months of Action - Computer Science and IT Careers Spotlight

Our Business Advisory Council leverages a regional approach to support industry-specific outreach through our Career Connections Months of Action. Nationally, December marks Computer Science Education Week. All month, we promote experiences to teach students about careers in computer science. Our region has a rich history of working with partners to raise awareness about computer science careers.

The following chart highlights selected CS/IT occupations, chosen in collaboration with partners from Technology First, CareSource, Digital Transformation Center, and SOCHE. While there is an abundance of data on this sector, this chart offers a unique look at our region's emerging talent pipeline.







How We're Leveraging the Data

Our Business Advisory Council collaborates with K-12 schools, higher education, and industry partners to effectively activate students for career connection opportunities. Here are three key ways we're leveraging YouScience student data:

Career Exploration Events: Hosting events like Kettering City Schools' YouScience Night, where families can review students' assessment results and participate in hands-on activities with local employers. This approach helps students and families directly connect with career tech pathways and career opportunities suited to their aptitudes.

Targeted Recruitment for Summer and Afterschool Programs: Using YouScience data to micro-target students with specific aptitudes for programs like Sinclair College's Automotive Summer Camp. By sending personalized emails through districts, our BAC ensures that students who are well-suited for these opportunities are informed and encouraged to participate.

Program Alignment with Student Strengths: Collaborating with departments like **Sinclair's <u>Built Environment</u> Programs** to engage students with relevant aptitudes. By inviting families to events like the October Family Open House, students can explore educational pathways aligned with their unique strengths and potential career interests.

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!

Timeline For Upcoming Reports

Each quarter, we'll release reports with updated student totals and insights on trends from local YouScience assessments, spotlighting a different industry sector each time. Look for our next report in April 2025.