Program Model: Grades 10 – 12

Industry Focus: Advanced Manufacturing, Information Technology, and Health Sciences

Overview of the Pathways Bradley YCC Program
Pathways Bradley serves 10th – 12th grade students in three focus areas: Advanced Manufacturing, Information Technology, and Health Sciences. Our program is driven by three goals:

1. Empower students to graduate with the education, experiences, and skills needed to succeed in their career pathway;
2. Cultivate student college- and career-readiness by providing integrated academic and career-focused learning in collaboration with employers and institutes of higher education; and
3. Generate a pipeline of students that enter a pathway aligned with high-growth H-1B industries.

Students receive mentoring through a course specific to their focus area, with Individual Development Plan (IDP) meetings with Career Coaches, group mentoring with industry professionals, guest speakers, special projects, and relationship-building with the focus area teacher. Students stay with this teacher the entire program. Activities vary by grade level and focus area:

- **10th Grade:** Advanced Placement and Cambridge Program; Job Site Visits; Industry Certifications; Skill-focused Camps.
- **11th Grade:** Advanced Placement and Cambridge Program; ACT; Job Site Visits National Technical Honor Society; Industry Certifications; Dual Credit and Dual Enrollment; Skill-focused Camps.
- **12th Grade:** Senior Interviews from Partners; College Fair; National Technical Honor Society; Internships; Work-Based Learning Opportunities; Industry Certifications; Dual Credit and Dual Enrollment; and Skill-focused Camps.

Program Highlight
One of our biggest accomplishments has been developing meaningful relationships with industry and business partners to provide opportunities for students and teachers in our focus areas. Our Work-Based Learning Coordinator has played a vital role in building partnerships over the life of our program.
Partner Meetings are held quarterly to foster continued industry engagement and to ensure that our program stays in tune with their labor force needs. Through these partnerships, we have provided mentors, work-based learning opportunities to students, and established a Teacher Externship Program that has allowed our Pathways Bradley teachers to bring real-world knowledge back to their classrooms.

**Success Story**

A student at Walker Valley High School (WVHS), inspired by his mentoring experience in the Emergency Room at Tennova Hospital, planned and implemented an event to communicate the dangers of distracted driving with his peers. Enlisting the assistance of 11 other Pathways Bradley students, his YCC Career Counselor, School Resource Officer, school Students Against Drunk Driving (SADD) advisor, and Health Science Pathways Bradley advisory teacher, he spent two months planning. The event featured:

- safety stations that each grade level visited;
- a roll-over simulator and seat belt convincer;
- a live crash reenactment with emergency personal response including a Life Force helicopter landing.

The student invited every Bradley County emergency management system to participate. The Tennessee Highway Safety Office sent a state level representative to cover and publish the event. Chick-Fil-A donated food for the event and McDonalds donated drinks. Due to the scale of participation, WVHS became a National SADD chapter and earned silver level status.

**Community Impact**

Our work through YCC has allowed us to create the Partnerships in Industry and Education (PIE) Center. The PIE Center is being established in a 290,000 square-foot former manufacturing site to serve as a hub for innovation in STEM and advanced manufacturing education and training, providing a combination of classroom instruction, skill development, on-the-job training, and application of real world and life skills that students will need to be successful after graduation.

The PIE Center is a unique public/private partnership that has required significant investment from the community and school district. It is the first model of its kind in Tennessee to incorporate alternative education programming for at-risk students, innovative STEM and CTE programs, business and industry training partnerships, and incubator space with WBL opportunities.

**Pathways Bradley**

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