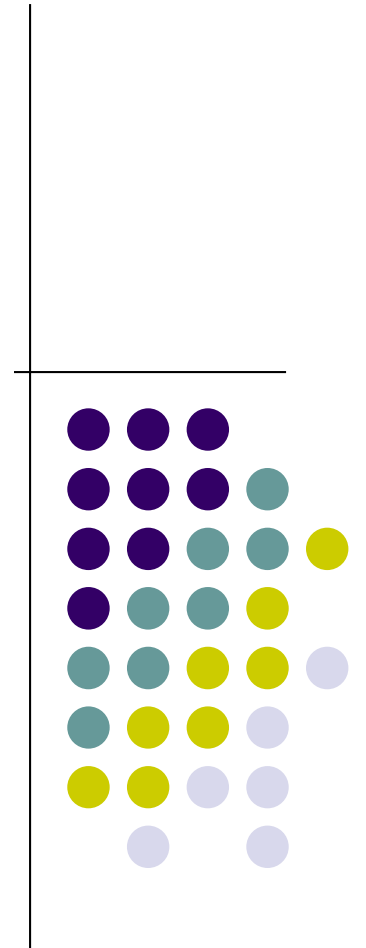
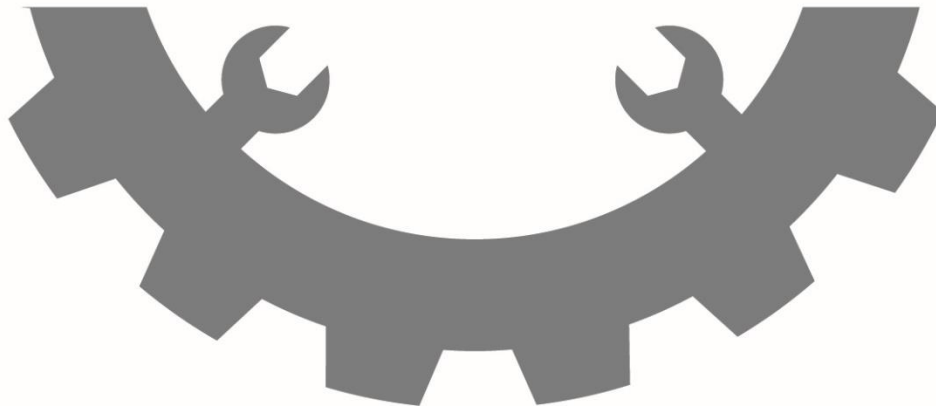
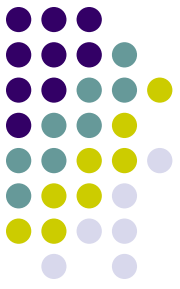


Jay - Blackford  
Manufacturing Council



**Industrial Maintenance Pathway**

# Work and Learn in Jay and Blackford County

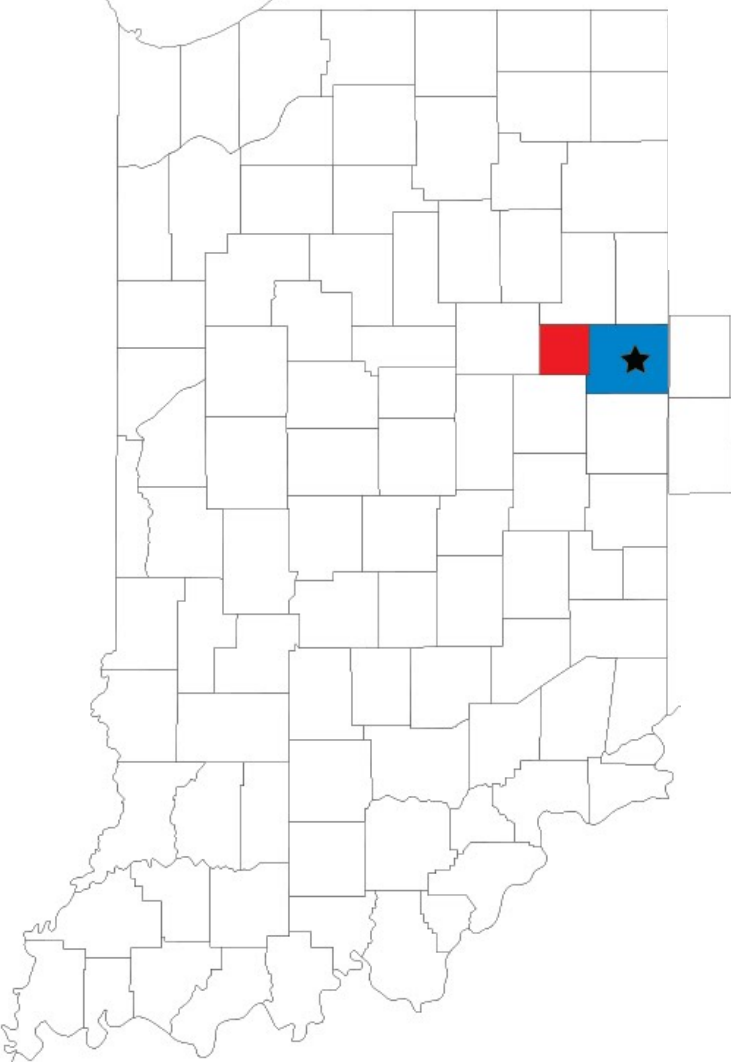


***“Every student deserves the same opportunity for success, whether they want to go to college or start their career right out of high school. This is not about a Plan A and a Plan B – this is about two Plan A’s. It advances the principle that all honest work is honorable work.”***

***-Former Governor Mike Pence***



# Our Challenge

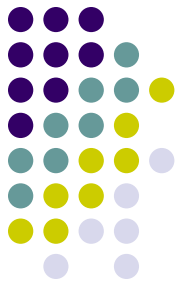


- Small, rural, declining school-aged population
- “A” rated School District
  - 50+% Free & Reduced lunch
- 96% Graduation Rate
  - 48% college matriculation rate
- CTE curriculum & enrollments evolved away from high demand jobs
  - Manufacturing and Industrial Maintenance

# Statewide



## EWIN's Statewide Network



**Elkhart County:** Manufacturing, Early College and career pathways across 7 school districts, adult education and career center

**Marshall County:** Precision Machining for Plymouth High School students to gain access to local high wage, high demand jobs

**Cass County:** Lewis-Cass Polytechnic Academy, a rigorous engineering & manufacturing academy

**Tippecanoe & surrounding counties:** Building out a new career center with a focus on a manufacturing pathway for high school

**Jay/Blackford counties:** Competency-based adult manufacturing at the John Jay Learning Center with plans to expand to high school programming

**Boone County:** Partnership between Lebanon Community Schools & Gene Haas Center to expand manufacturing pathways and maximize resources

**Marion County:** MSD Dectaur Township's Computer Science Pathway & Innovation Hub connecting students to tech sector

**Marion County:** EmployIndy & IPS Crispus Attucks Health Sciences Career Academy, where over 1,200 students will have access to CTE & work-based learning experiences

**Lawrence County:** County Coalition to increase high school & adult training opportunities in the manufacturing sector

**Ripley County:** Genesis Pathways to Success with over 400 students in cybersecurity K-16 pathways

**Perry County:** Commodore Manufacturing with student-led manufacturing business in partnership with Jasper Engines & Transmissions & Waupaca Foundry

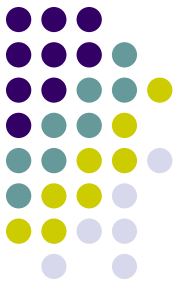


- There were no training options locally
- We had to create our own path



CENTER OF EXCELLENCE  
IN LEADERSHIP OF LEARNING

# Jay-Blackford Manufacturing Council



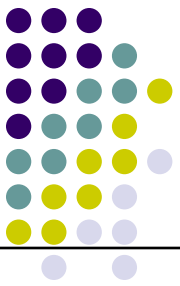
## Our Goal

- Insure we are teaching the right skills, at the right time, in the right way. This will lead to direct employment in local manufacturing

*John Jay*  
Center for Learning

Grown By Families. Enjoyed By Families.™

# Timeline of Implementation

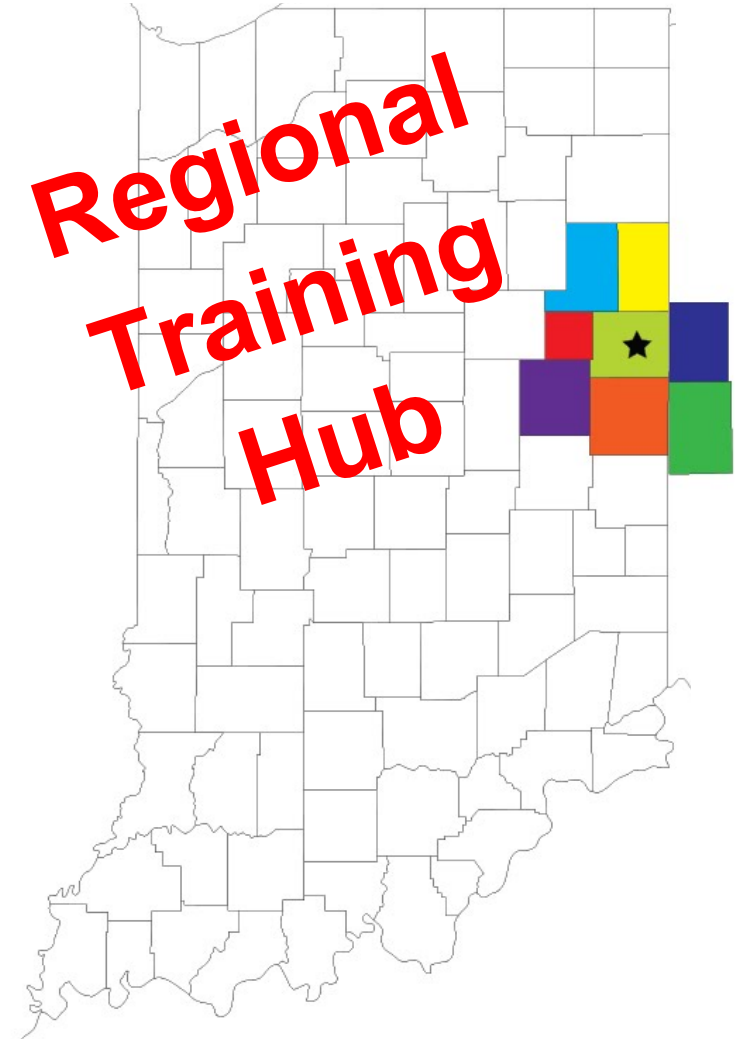


Year	Actions Taken	Results
2014	John Jay & Jay Schools assembled a group of local manufacturers to discuss their needs	Industrial Maintenance was the glaring need
2014-2015	Implemented Conexus Indiana at JCHS	Based on the above discussion
2015	Reconvened local manufacturers to discuss adult skills gap	
2015-2016	Assessed available training options	Chose SkillsTrac
2016	Formed Jay-Blackford Manufacturing Council	
2016	CELL Planning Grant recipient	
2016	SkillUp2 Grant Recipient	
2017	Chose and Installed training equipment	
2017	Beta-test curriculum/training	
2018	Launch of SkillsTrac Industrial Maintenance Training	

# Industrial Maintenance Class - Success Since January 2018 Launch



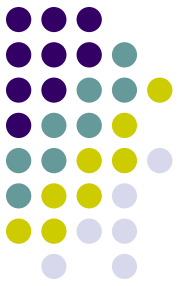
- 46 Students
- 16 Companies
- 10 Self Pay
- 6 Counties (Companies)
- 8 Counties (Students)



# John Jay Center for Learning - Industrial Training Area







Building a  
Stronger  
Workforce

Educating  
Future  
Workers



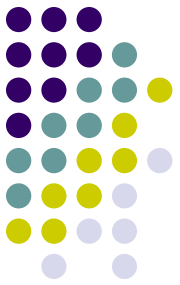
CENTER OF EXCELLENCE  
IN LEADERSHIP OF LEARNING

Education  
Workforce  
Innovation  
Network

Closing the  
Skills  
Gap



# Mission



**Focus on community collaboration with partners to create networks of innovative education models that align with the realities of the economy and increase postsecondary attainment.**

# Impact



## Education-Workforce Partnerships affect

- **17 counties**
- **36 schools districts**
- **153,056 students**

## Deep Dives expanded impact in

- **21 counties**

# EWIN Foundations



- PK-16 framework
- Locally designed
- Employer & community driven
- Systems collaboration



# Hallmarks of Exemplary Partnerships



# Indiana Works Council Career and Technical Education Grant



JAY SCHOOL CORPORATION

JAY MANUFACTURING ACADEMY



**Jay County Manufacturing Academy**  
CTE Grants Enable Jay Schools to Prepare Students for High-demand, High-wage Careers

The Jay County Manufacturing Academy, recipient of an Indiana Works Council's CTE Innovative Curriculum Grant, is actively working with students on a variety of fronts. Both classes and internships are exposing students to hands-on opportunities in advanced manufacturing.

"The academy's goal is to benefit students and manufacturers by training students to have the skills needed to perform manufacturing jobs," said Jeremy Gulley, director of teacher effectiveness for Jay Schools. "As manufacturing jobs have increased post-recession and baby boomers have started retiring, it's become more difficult for employers to find enough qualified employees."

Gulley went on to credit the CTE Curriculum Grant for giving Jay Schools "the tools and resources we needed to prepare kids for high demand, high wage manufacturing jobs in our community."

"The world as we know it would not exist without skilled trades and manufacturing. The Innovative CTE Curriculum Grant and business partnerships being created, start us on the path to reaffirming a career in the trades or manufacturing is a good, quality career choice, and that not everyone needs to attend a four year university in order to be successful." ~ Seth Swallow, Manufacturing Teacher, Jay County High School

## CAREER PATHWAYS IMPACTED THROUGH INNOVATIVE CTE CURRICULUM GRANTS

- Advanced Manufacturing
- Healthcare
- Automation
- Robotics
- Automotive Mechanics
- Machining
- Energy
- Logistics
- Entrepreneurship
- Construction
- Welding
- Agriculture

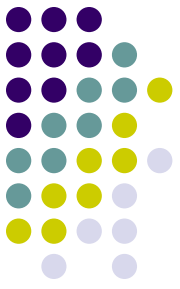


### Jay County Manufacturing Academy: By the Numbers

Grant Funds Allocated: \$153,776  
Private Matching Funds: \$61,514  
Sector: Advanced Manufacturing  
Key Partners: Jay School Corp., Blackford Schools, Area 18 CTE District, Vincennes Univ., Tyson, Fort Recovery Industries, Sunoco, John Jay Center for Learning, CELL, Conexus and 30 local business partners.  
Start Date: Fall 2014  
2014-15 Enrollment: 55 students  
2015-16 Enrollment: 75 students  
2014-15 Credits: 261 dual credits earned

Status	Outcomes
	Credentials/Certificates
	Competitive Robotics
	Employability Skills
	Work & Learn
	Adult/Student Integration

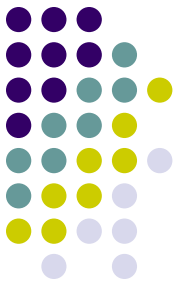
# Industry Engagement



## Partnerships with local industry

- Local industry partners select:
  - Curriculum
  - Equipment
  - Instructors
  - Future training and equipment purchases
- Local industry leaders provide on-site opportunities for students to learn the ins and outs of advanced manufacturing and logistics
- Utilize Work Keys testing/results to identify gaps in training (gr. 11)
- Integrate counseling and advising systems
- Coordinate Industry and Education to ensure our system is aligned with competencies that culminate in locally defined, industry recognized certification processes and direct employment

# Locally Created Pathway



JCHS was selected as a pilot school to create a locally defined pathway option. This pathway will specialize in industrial maintenance.

**Advanced Manufacturing IA (Gr. 10) & IB (Gr. 11) classes offer:**

- *Six sigma white belt certification*
- *MSSC CPT Safety Certification*
- *Ivy Tech credits will accompany these courses*

**Blue Level**  
Automated Systems  
Technician

  
**SkillsTrac**  
Certifying the Advanced Manufacturing Workforce

**Red Level**  
Industrial Control Systems

**Advanced Manufacturing II (Grade 12) offers:**

**SkillsTrac Green Level Certification (Industrial Maintenance Basics)**

- *86 hours of Tooling U curriculum*
- *32 Lab hours at the John Jay Center for Learning*
- *8 credits toward an Associate of Technical Study degree at Wright State*
- *Meaningful Work Based Learning experience*

**White Level**  
Welding & Machining

**Yellow Level**  
Electricity & Fluid Power

**Green Level**  
Mechanical Skills



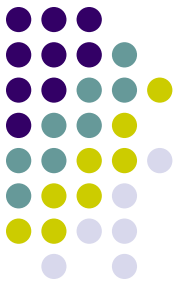
# Indiana Works Council Career and Technical Education Grant



Supported by a competitive grant of \$153,776, this grant enabled the creation of the Jay County Manufacturing Academy at JCHS. Students earn college credit and workplace skills in manufacturing leading to on-the-job internships and jobs.

Goal	Result
Total number of students enrolled in curriculum (17-18):	115
# of seniors enrolled in curriculum:	26
# of seniors earning industry-recognized certifications (2018):	5
# of seniors earning at least one dual credit:	25
# of dual credits earned by seniors:	357
# of seniors engaged in a Work & Learn opportunity:	8
# of students hired by industry right out of H.S. *Increased number of students going to UNOH & Wright State.	9 (2015) 10(2016) 7 (2017)*

# Jay-Blackford Manufacturing Council

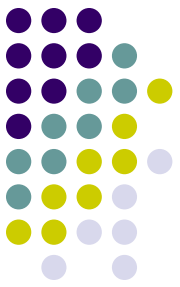


## Success Metrics

- Are employer's needs being met?
- Are we teaching the right skills?
- Are we raising personal income?

# Jay-Blackford Manufacturing Council

Visitors Always Welcome



The Jay School Corporation

Jay County High School

[cdodd@jayschools.k1.2in.us](mailto:cdodd@jayschools.k1.2in.us)

[rinman@johnjaycenter.com](mailto:rinman@johnjaycenter.com)

*John Jay*  
Center for Learning

101 S Meridian St  
Portland, IN 47371

260.729.5525  
[www.johnjaycenter.com](http://www.johnjaycenter.com)