



Supporting Young Women in Manufacturing

May 23, 2023



I-WIN

Illinois Work-Based Learning
Innovation Network



Who's here today?

**Please use the chat to
introduce yourself**

&

**Any questions, insights,
resources you have about
supporting young women to
pursue experiences in
manufacturing**

- Please mute computers and/or phones during the presentations
- Please use the chat to provide any comments or questions throughout



Explore the [I-WIN Resource Hub](#)
and [subscribe to the newsletter](#)



Highlight and explore
innovative models for
work-based learning



Engage in conversations
on creating sustainable,
high-quality models
that provide broader
and more equitable
access, focusing on
building social capital
for Black and Latinx
students



Build connections
among communities to
share best practices,
learnings and resources



Identify needs for state
policy changes or
support systems

Work-Based Learning Continuum



Host Engagement Continuum

Managing
Organization
Role

Host / Employer
Role

Definitions: *Illinois Career Pathways Dictionary*



- Increase secondary enrollment in manufacturing pathways, particularly for **underrepresented** students
- Increase **dual credit** offerings and enrollments in manufacturing
- Increase the number of students who complete a manufacturing pathway, earning a **College & Career Pathway Endorsement** and industry credentials
- Increase **matriculation** into postsecondary manufacturing programs and the workforce

[Click here for more information on STAMP](#)

WBL Resources & STAMP

- Communities continue to share resources for a [WBL Continuum in Manufacturing](#)
- In partnership with [Practera](#) we are developing virtual WBL templates in Career Exploration and Team-based Challenges/30-hour Career Development Experiences (these will be piloted SY23-24 and shared broadly afterwards)
- In partnership with the [Illinois Manufacturers' Association](#) we are engaging an Employer Training Advisory Group to gather resources and guidance for hosting high school interns (goal is to share this by late Summer/Fall 2023)
- Recently developed a Toolkit for supporting young women in manufacturing which will be previewed today!

Today's Conversation

- Career Exploration models for empowering and engaging young women in Manufacturing and Skilled Trades pathways
- Insights gathered and next steps from empathy interviews of high school and college female manufacturing students
- Overview of STAMP Toolkit - “Resources and Guidance for Supporting Young Women in Manufacturing”



Career Exploration

Angela Acevedo

Work-based Learning Specialist, Chicago Public Schools

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Women in Manufacturing & Engineering Expo

Our [Chicago Public Schools](#) students had an exciting day packed with high-quality hands-on demos and engaged with industry partners and future employers at [City Colleges of Chicago](#). This experience wouldn't be possible without our partners! Thank you [Cook County Government](#), S&C Electric Company and [Chicago Women in Trades!](#)



Women in Manufacturing & Engineering Expo
for Chicago Public Schools

- Hands on activities & demonstrations
- Meet industry partners & employers

January 26, 2023
[School Interest Form](#)

Richard J Daley College
7500 S Pulaski Road, Chicago

More Information
LearnPlanSucceed@cps.edu

RICHARD J. DALEY COLLEGE
CITY COLLEGES OF CHICAGO



CTE Women in the Trades

Our girls saw her and
know they can be her!

As part of Women's Career Month students engaged with women trailblazers in the trades and participated in guest speaker presentations, hands-on learning activities/challenge and learned about women experiences in the trades. Our students created model homes, presented on their team project and shared creative ideas on sustainability!

On behalf of [Chicago Public Schools](#), we would like to thank Kina McAfee, [Irene Walsh Garcia](#), [Cathie Muraski](#), [Brittany Taylor](#) and [Belinda Henderson](#).

[Mid-America Carpenters Regional Council](#)

[Cook County Government](#)

[Professional Women in Construction Chicago Chapter](#)





Women in Manufacturing Interviews

Sauk Valley Area

A dark blue diagonal graphic that starts from the bottom left corner and extends towards the top right corner, creating a triangular shape in the lower half of the page.

What are some common themes we heard from students?

GETTING INTO THE FIELD

- HS advising inadequate
- HS entered because of family connections
- College students inspired by friends - lack of seamless path

ENCOURAGEMENT FOR A CAREER

- AG/FFA a strong motivator
- CTE instructor acts as encourager
- Someone needs to open the door to the opportunity

DISPOSITION NEEDED

- Approach everything with the confidence of a man
- Be willing to ask questions
- Believe in your own abilities

What did we hear about
how we should improve
engagement and
supports for young
women in manufacturing?

CAREER EXPLORATION

- Early career exploration
- Hands-on career exploration essential

Tours of “cool factories to work at” isn’t
enough

Current thinking on new things

NONATTENDANCE DAY EVENT

- Host an event on campus for 8th grade girls to explore manufacturing
- Have current women working in the field available to interact with students

CTE PROMOTION

- Provide incoming 8th grade students an opportunity to see the industrial area before registering for classes.
- Could be held during 8th grade open house or registration night depending on the district.



New Toolkit!

Resources and Guidance for Supporting Young Women in Manufacturing

STAMP Toolkit Resource

- [Draft document](#) ready for review!
- We are currently incorporating feedback from communities - if you have any thoughts to share please complete the following survey by Friday, May 26th
 - [STAMP Toolkit feedback form](#)
- Includes community models, resources, and templates across the WBL continuum



Resources and Guidance for Supporting Young Women in Manufacturing
A Scaling Transformative Advanced Manufacturing Pathways Toolkit

May 2023

DRAFT

EdSystems
EDUCATION SYSTEMS CENTER at
NORTHERN ILLINOIS UNIVERSITY

Previous & Upcoming Opportunities

In case you missed it:

I-WIN session on
Regional Team-based
Challenges

([link to event page](#) for
recording and
presentation)

Share your insights on challenges, needs, and best practices!

Transportation for
WBL - Success
Network policy
working group meets
TOMORROW, May 24th
11a-12p

([link to register](#))

Planning for Fall 2023:

We are currently
determining sessions
for Fall 2023 - please
let us know if you are
interested in sharing
and/or what topics you
would like to see -
share in the chat now
or email

(hpenczak@niu.edu)



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NORTHERN ILLINOIS UNIVERSITY

Thank you!

Heather Penczak, hpenczak@niu.edu