

Career Exploration: Welding Simulation

OVERVIEW		
Title of Event	Tremont Middle School – Welding Simulation	
Type of Activity <i>(job shadow, guest speaker, career fair, site visit, etc.)</i>	Guest Speaker with project-based component	
Model for Delivery <i>(virtual, hybrid, in-person)</i>	Hybrid	
Industry Partner(s)	Local welding and machine shop that feeds into companies within the local county	
Endorsement Area(s)	Manufacturing	
Occupations Represented	Welding	
Brief Event Description <i>(include any links to resources and materials as you are able)</i>	Utilized simulation equipment from Reality Works for students to participate in a welding simulation (that is the same as what is used in welding school) as they received insights and guidance from a local welder. Utilized the morning advisory period for students to engage in the activity for five days. School staff was trained by Reality Works to utilize the simulation equipment. Two-year process for students to begin in 7 th grade and continue on with more advanced tasks through 8 th grade.	
	For Participants	For Partners
Preparation Activities before the Event <i>(include any links to resources and materials as you are able)</i>	7 th and 8 th grade students participated in a one-week introduction of welding careers including info on: income potential, job quality, range of opportunities. Students research the opportunities within welding.	Prepared local guest speaker to speak to the income, job growth, and variety of regional occupations in the area of welding.
Reflection/Follow-up Activities after the Event <i>(include any links to resources and materials as you are able)</i>	As move through the novice level in 7 th grade, students can move to the expert level in 8 th grade on the simulator.	Enhance the event by engaging more partners, community volunteers and teachers to include small-group breakout simulations.

This resource was created by [Education Systems Center at Northern Illinois University](#).

The Illinois Work-Based Learning Innovation Network (I-WIN) is designed to help employers, educators, and students leverage innovative models for scaling high-quality work-based learning opportunities in school districts and community colleges across the State. This network explores ways to create equitable

opportunities for students through both in-person and virtual learning. For more information on I-WIN and additional work-based learning resources, visit edsystemsniu.org/i-win/.