



## Texas Technology Student Association - Work-Based Learning and Expanded Learning Opportunities

**Program of Study:** Welding

**Career Cluster:** Manufacturing

Classification of Competitive Event	Name of Event	Classification #	Link
National Qualifying Events			
Unique to Texas On-Site Events	Manufacturing Design Graphic Solution	HU314	<a href="https://texastsarulebook.org/category/unique-to-texas-events">https://texastsarulebook.org/category/unique-to-texas-events</a>
Unique to Texas Projects			
CNC Other	Robotic Welding	HP5354	<a href="https://texastsarulebook.org/high-school-category-projects/cnccam-and-programming">https://texastsarulebook.org/high-school-category-projects/cnccam-and-programming</a>
Metal - Decorative	Various Sizes	HP5550-HP5573	<a href="https://texastsarulebook.org/high-school-category-projects/metal">https://texastsarulebook.org/high-school-category-projects/metal</a>
Metal - Functional	Various Sizes	HP5580-HP5603	<a href="https://texastsarulebook.org/high-school-category-projects/metal">https://texastsarulebook.org/high-school-category-projects/metal</a>
Trailers	Trailers - Single Axle	HP5610	<a href="https://texastsarulebook.org/high-school-category-projects/metal">https://texastsarulebook.org/high-school-category-projects/metal</a>
	Trailers - Double Axle	HP5611	<a href="https://texastsarulebook.org/high-school-category-projects/metal">https://texastsarulebook.org/high-school-category-projects/metal</a>
Applied Technical Science - Manufacturing	A comprehensive display of students assembly and/or maintenance of production machines or equipment.	HP8081	<a href="https://texastsarulebook.org/high-school-category-projects/applied-technical-science">https://texastsarulebook.org/high-school-category-projects/applied-technical-science</a>
	A display of a study of the types, grades & strength of selected materials used in manufacturing (Metal, wood, polymers, others)	HP8083	<a href="https://texastsarulebook.org/high-school-category-projects/applied-technical-science">https://texastsarulebook.org/high-school-category-projects/applied-technical-science</a>

A display of several production career opportunities including (a) employment opportunities, (b) education or training needed, (c) job descriptions, (d) effective methods of securing jobs, and (e) future long term employment outlook	HP8084	<a href="https://texastсарulebook.org/high-school-category-projects/applied-technical-science">https://texastсарulebook.org/high-school-category-projects/applied-technical-science</a>
A display of an entrepreneur production venture which must include: (a) minimum, (b) organizational chart, (c) sales forecast, (d) market survey, (e) two product samples	HP8085	<a href="https://texastсарulebook.org/high-school-category-projects/applied-technical-science">https://texastсарulebook.org/high-school-category-projects/applied-technical-science</a>
A display to demonstrate computer applications in production systems	HP8086	<a href="https://texastсарulebook.org/high-school-category-projects/applied-technical-science">https://texastсарulebook.org/high-school-category-projects/applied-technical-science</a>