

Welding



	February 16, 2024		10:45 a.m.
Date	Snow Date – February 20,	Orientation Time	(CLOSED to instructors)
	2024		(1 11 11 11 11 11 11 11 11 11 11 11 11 1
	Vantage Career Center		Immediately Following
Location	818 N. Franklin Street	Contest Time	Orientation
	Van Wert, OH 45891		(CLOSED contest)
Scope of Contest	The skill performance assessmen	nt may include steel pr	
	project(s), stainless steel project		• • • • • • • • • • • • • • • • • • • •
	metals. Competitors will be invo		
	aspects of welding.		S
	Competitors must correctly u	se the welding equipm	nent during the
	competition. The contest coo		_
	any section of the competition	n if they deem a comp	etitor's manner to be
	hazardous to either themselv	es or others. Such a st	oppage shall be
	documented as a warning. If	the competitor is warr	ned a second time, he or
	she may be disqualified for th	nat section of the comp	petition.
	As soon as the competitors e	nter the competition a	rea, no communication
	shall occur between the com		
	else, except as directed by th		
	communication may result in	the competitor being	disqualified from that
	section of the competition.		
	Time limits will be established	-	
	Evaluation of the completed		-
	and/or destructive tests may	·	, ,
	Welding and cutting instruction	•	•
	specified on the Welding Pro		wPS) and prints provided
	in the welding booths and ne	<u> </u>	a abtained from a variety
	 Welding equipment used in t of manufacturers and may in 		
	Filler metals will be detailed of the state of the s		
	and/or prints.	on the Welding Froced	ure specification (vvrs)
	 Welds will be evaluated visua 	ally using a scoring syst	em as established by the
	contest coordinator. Nondes		-
	complete the project evaluat		cerve tests may be used to
	Print assembly tolerance will		nerwise noted.
	If no print assembly dimensic		
	is to be approximately locate	<u> </u>	
Written Testing	No	,	
Eligibility	1 contestant for every 50 paid m	nembers enrolled in pr	ogram
Clothing	Work Attire: Field specific work	clothing required for t	the work environment or
	that matches the service conditi		-
	they are clean and professional	•	•
	(no holes or overly soiled pants)		
	slip properties (steel toes may b	e required – refer to P	rovided by Contestant

		s such that it will not get caught in moving	
	· ·	niforms may be worn if they meet the above	
Provided by	requirements with all identifiers cov Professional Resume – must be type	ed and physically produced as a hard copy	
Contestant	mergency Medical Form (Contestants must have this to compete)		
	Leather welding jacket	• • • • • • • • • • • • • • • • • • • •	
	Fireproof face mask		
	Hearing and/or ear protection		
	Welding helmet with appropriate fil	· · · · · · · · · · · · · · · · · · ·	
	plate/lens in a flip or slide front. Aut		
	•	s for arc welding helmet and oxyacetylene	
	goggles Pocket calculator		
	Lead pencil and/or ballpoint pen		
	Soap stone with holder		
	Scribe with magnet		
	Combination square set		
	10-foot (3.1 meters) steel tape meas	sure	
	Fillet weld gauge	amm or	
	16-ounce (.45 kilogram) ball peen ha Center punch	ammer	
	10-inch (254 millimeters) vise grips		
	6-inch (152 millimeters) side cutting	pliers or diagonal cutting pliers	
	6-inch (152 millimeters) needle nose		
	Chipping hammer with or without w	rire brush	
	Stainless steel wire brush		
Contest			
	Contest Skilled Performance	Aligned ODEW Manufacturing Career Field	
Standards	Contest Skilled Performance Standards	Aligned ODEW Manufacturing Career Field Technical Content Standard Outcomes	
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	Standards WF 3.0 – Read and interpret blueprints	Technical Content Standard Outcomes Outcome 6.1 Measurement and Interpretation	
	Standards WF 3.0 – Read and interpret blueprints W 4.0 - Produce welds using a	Technical Content Standard Outcomes Outcome 6.1 Measurement and	
	Standards WF 3.0 – Read and interpret blueprints W 4.0 - Produce welds using a Shielded Metal Arc Welding	Technical Content Standard Outcomes Outcome 6.1 Measurement and Interpretation	
	Standards WF 3.0 – Read and interpret blueprints W 4.0 - Produce welds using a Shielded Metal Arc Welding (SMAW) process to AWS QC10	Technical Content Standard Outcomes Outcome 6.1 Measurement and Interpretation	
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W 8.0 - Produce cut materials using an Oxygen Fuel Cutting	Outcome 4.6 Cutting Processes	
(OFC) process to AWS QC10	Above Outcomes can be found in the	
standards.		
Standards.	following ODEW courses:	
	176000 Gas Metal Arc Welding	
	176001 Shielded Metal Arc Welding	
	176002 Flux Cored Arc Welding	
	176003 Gas Tungsten Arc Welding	