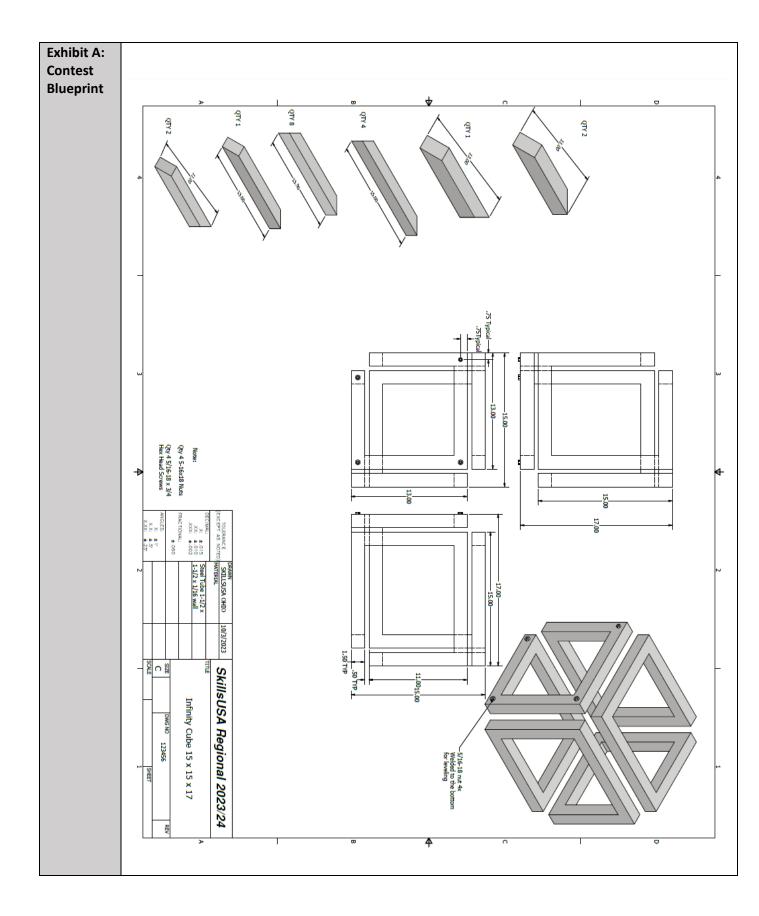


Welding Fabrication



Date	Friday, February 23, 2024	Orientation Time	8:00 a.m. (Closed to instructors)
Location	Mahoning County Career & Tech Center 7300 N. Palmyra Rd Canfield Ohio 55506	Contest Time	Immediately following orientation (OPEN contest)
Scope of Contest	The skill performance assessment include technical drawing. Please see Exhibits A,		project according to a provided
	 Procedures for building the project: Only the three students participating Students should complete a portfolio of work along the way. The finished project is to be brought t All three team members must be prest to display their finished project and participating The projects will be graded based on t The portfolio will be used to validate t Schools will be able to keep the project Rules and Requirements for Project: Project is to be assembled/welded as NO post-weld grinding. Points will be Students may cut materials with any of CNC etc.) SMAW/FCAW/GMAW/GTAW are the the project. Project can be welded with just one o No paint or clearcoat is to be used on Student will decide type/size/location decisions during the interview. Student will add weld symbols to draw the weld symbols may be drawn in inl At the regional contest your team will need. Provide the completed project. 	of their planning and products to the location of the Regional sent at the Regional Welding articipate in an interview with their accuracy and quality in the process and work comple- cts. show in the drawings. deducted for any post-weld cutting process desired (I.e. No only processes to be used in r any combination of the pro- the project. of welds on fabricated parts wing that were used during fa- k.	ction of the project with photos al Welding Competition. Competition and be prepared th the judges. relation to the blueprints. eted in the project. grinding. Metal shear, plasma, oxy-fuel, fabrication and assembly of ocesses listed above. and be able to explain those
	 Provide a portfolio with elements list Participate in an interview presentation 	-	
Testing	NO		
Eligibility	1 team for every 50 members enrolled in	program	
Clothing	Work Attire: Field specific work clothing service conditions for the contest. This m	required for the work enviro	

	and are accepted in the respective field (no holes or overly soiled pants). Work shoes or boots with a hard sole or anti-slip properties (steel toes may be required – refer to Provided by Contestant section below). Clothing should be as such that it will not get caught in moving equipment or power tools. School uniforms may be worn if they meet the above requirements with all identifiers covered.		
Provided	Professional Resume'		
by	Emergency Medical Form (Contestants m	ust have this to compete)	
Contestant	All elements listed in Scope of Contest		
Contest Standards	Contest Skilled Performance Standards	Aligned ODE Manufacturing Career Field Technical Content Standard Outcomes	
	WF 3.0 – Read and interpret blueprints	Outcome 6.1 Measurement and Interpretation Outcome 6.2 Layout and Planning	
	WF 4.0 - Produce welds using a Shielded Metal Arc Welding (SMAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process	
	WF 5.0 - Produce welds using a Gas Metal Arc Welding (GMAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process	
	WF 6.0 - Produce welds using a Fluxed Cored Arc Welding (FCAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process	
	WF 7.0 - Produce welds using a Gas Tungsten Arc Welding (GTAW) process to AWS QC10 standards.	Outcome 4.3 Arc Welding Process	
	WF 8.0 - Produce cut materials using an Oxygen Fuel Cutting (OFC) process to AWS QC10 standards.	Outcome 4.6 Cutting Processes	
		Above Outcomes can be found in the following ODE courses: 176000 Gas Metal Arc Welding 176001 Shielded Metal Arc Welding 176002 Flux Cored Arc Welding 176003 Gas Tungsten Arc Welding 176015 Welding Fabrication	



Category Evaluated 3 team members present [] Yes [] No (Cannot medal if less than 3)	Possible Points	Point Breakdown Poi Aw	Points Awarded
<u> </u>	200 pts.	 Cover page - 30 Layout photo - 30 Material photo - 30 Fully Assembled photo - 30 Welding plans - 40 Neatness - 40 	
0			
 Interview Presentation: Throughout Interview and Presentation all three students need to take a part in the presentation The demonstrate they were activate operand in the presentation 	200 pts	 All 3 team members participate inpresentation – 	
 Students should have a professional presentation and appearance. Students should use the portfolio as a reference and be able to show correlation of welds on the project to the welds on the plans. Students should explain how they constructed the project as a tem Students should explain any challenges faced and how they worked through. 		 Eye Contact and Professionalism – 40 Use of Portfolio in Presentation - 40 Decision-Making Process and weld selection - 40 Challennee – 40 	
 Welds and Measurements Correct materials (any materials not on original Bill of Materials equals 0 points) Weld process selection Weld quality 	200 pts	 Materials – 50 Weld selection – 50 Weld quality – 100 	
 Assembly Inspection Demonstrate ability to use the project as intended. Project is level and safe to handle. Project is stable when loads are applied. 	200 pts	 Ability to use the project as intended - <u>50</u> Level and safe to handle - <u>50</u> Stability - 100 	
 Quality and Craftsmanship <u>Einal</u> product meets minimum specifications of the customer. Quality of work and pride demonstrated in this product. This is a saleable item to a customer, excluding post weld grinds required (customer-ready) Individuals demonstrated pride and craftsmanship in their work and presentation 	200 pts	 Meets Specifications – 50 Quality – 50 Customer Ready – 50 Personal craftsmanship - 50 	
TOTAL Score	1000	Record Total Here →	
Exhibit B: Contest Scoring Rubric			

