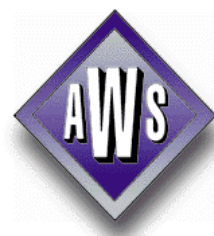




American Welding Society

Detroit Section



46th Annual High School Welding Contest

When: May 3th, 2019

Where: Washtenaw Community College
4800 East Huron River Drive
Ann Arbor, MI 48105
O.E. Building (Larry Whitworth Occupational Education Building)

Capacity: The contest will be limited to 70 contestants. The first 10 schools to register will be allowed 7 seats each. If we do not reach capacity, those schools enrolled may be allowed additional seats.

Contest: Phase 1: Written Exam
Phase 2: Cutting Project
Phase 3: Welding Projects

Eligibility: High School Seniors enrolled in a vocational welding program

Deadline: Registration form (below) **must be emailed** to Glenn Kay @ gkayii@wccnet.edu no later than **April 3, 2019** or the application will not be accepted. This deadline is critical to allow time to prepare for the event.

Awards: First place: \$2,500.00 Scholarship, Trophy & School Plaque
Second place: \$2,000.00 Scholarship, Trophy & School Plaque
Third place: \$2,000.00 Scholarship, Trophy & School Plaque
Fourth place: \$1,500.00 Scholarship, Trophy & School Plaque
Fifth place: \$1,000.00 Scholarship, Trophy & School Plaque

Scholarships are one-time awards and will be paid to the award winner's college of choice to cover tuition, fees, books and supplies when pursuing a certificate or degree in welding in the 2019/2020 academic year. **Final scholarships requests must take place by March 1st, 2020**

Prizes: All contestants will receive an AWS tee shirt. Educational and professional welding equipment will also be distributed to the top 12 finalists as donations permit. Typical prizes distributed have been welding machines, torch outfits, welding helmets, jackets, gloves, safety glasses, cutting shields, etc.

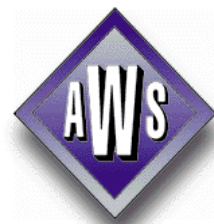
Meals: Both breakfast and lunch will be provided. Bagels, donuts and juice will be served upon arrival as well as pizza and pop for lunch, all compliments of the AWS Detroit Section!



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Contest Details:

The welding contest is divided into three (3) phases. All three phases listed below will be part of the student's final score and used to determine the top 12 finalists. Upon competition day, the phases may be arranged in a different order dependent upon the number of schools enrolled.

Phase 1: Written Exam

Each contestant will be given a written exam to test their basic knowledge in the following areas: OFW (Oxy-Fuel Welding), OFC (Oxy-Fuel Cutting), Brazing, SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), FCAW (Flux Core Arc Welding) and GTAW (Gas Tungsten Arc Welding) processes.

Phase 2: Cutting Project

Project may include straight cuts, bevel cuts, and shape cutting on 1/4", 3/8" or 1/2" carbon steel. This project will require print reading and layout skills.

Phase 3: Welding Projects

Projects may include fillet & groove welds on carbon steel and aluminum (plate or pipe) in the flat, horizontal, vertical and overhead positions. The use of SMAW, GMAW, GTAW, FCAW and OFC processes may be applied to the various projects that will be distributed during orientation. Print reading and layout skills will also be required.

Required Safety Gear & Tools:

Each student is required to bring the following Personal Protective Equipment (PPE). PPE items will not be supplied; failure to bring these items will result in the student being **unable to compete**.

1. All leather welding gloves (*appropriate gloves for each of the processes listed*)
2. Welding helmet (*minimum shade #10*)
3. Welding jacket (*leather preferred*)
4. Cutting glasses/shield or goggles (*minimum shade #5*)
5. Safety glasses with side shields
6. All leather *above the ankle* work boots

In addition to the required PPE, each student is required to bring their **own tools** for the projects listed above. Your tool list may include: tape measure, combination square, protractor, compass, scribe, soapstone, pliers, wire cutters, clamps, hammer, chisel, wire brush, chipping hammer, etc. **No power tools will be permitted.**

Instructor/Advisor Participation:

Each school attending will need to have an instructor/advisor competent in the area of welding as they will be charged with conducting the scoring for the student projects (*same as we did last year*). By doing this, there may be an opportunity to obtain CEU's towards your CWI maintenance requirements.



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Registration Form

Once completed, email the registration form to Glenn Kay @ gkayii@wccnet.edu by the submission deadline, **April 3, 2019**. Please complete all fields below or your form will not be accepted.

Should you have any questions about this form or the contest itself, please feel free to reach out to Glenn Kay via email for assistance.

Instructor Info	
School Name:	
Instructor Name:	
Email:	
Phone:	

Student Info				
First Name	Last Name	Email	Phone	T-Shirt Size
1.				
2.				
3.				
4.				
5.				
6.				
7.				