

**ARKANSAS**



**ELITE**  
WELDING ACADEMY

# WELDING COMPETITION

**APRIL 12, 2024**

**Arkansas Elite Welding Academy**

333 Rosebud Rd, Quitman, AR 72131

Questions? Call/Text Hunter Sherman, 501-556-7577

**Register at [arkansasewa.com](http://arkansasewa.com)**

## ARE YOU READY TO COMPETE TO BE ELITE?



- **Annual Welding Competition for High School Seniors!**
- **Registration deadline: March 31, 2024**
- **\$25 materials fee for each participant (paid at time of registration)**
- **Each student can register to participate one time**

**Register at [www.arkansasewa.com](http://www.arkansasewa.com)**

### RULES

- Competitor shall wear all mandatory PPE (Personal Protective Equipment).
- Competitors will choose Structural OR Pipe Coupon and can compete one time only.
- Only hand tools will be allowed. No electric, pneumatic, or rotating equipment.
- Student will be given 1 hour to complete weld test, including practice time.
- Competitor is allowed to receive help from an instructor on the practice side of the test coupon. Once welding on the test side has started, no further help is allowed.
- When weld is complete, an instructor will take the test coupon to the judging area where it will be VT'd (visual tested) by CWIs (Certified Welding Inspectors).

### SCHEDULE

#### ROUND 1

Sign in: 8:00am - 8:45am

Competition: 9:00am - 10:15am

#### ROUND 2

Sign in before 10:00am

Competition: 10:45am - 12:00pm

#### LUNCH

12:00pm - 1:00pm

#### SHOP TOURS

12:00pm & 12:30pm

Gather outside, east side of the shop

#### ROUND 3

Sign in before 1:00pm

Competition: 1:15pm - 2:30pm

#### AWARDS TO FOLLOW

at approximately 3:30pm

# NEW FOR 2024: CHOOSE YOUR COUPON\*

## PIPE COUPON

Top 10 Competitors receive scholarships!

\*When you register online to compete, you will choose a competition time only. You will then be mailed a packet with information on how to select your competition coupon.

**Pipe Competition Coupon**

MATERIALS	
3/8"X6" Flat Bar	
3" Sch.40 Pipe	
1/8" E6010 SMAW Electrodes	
3/32" E7018 SMAW Electrodes	

INSTRUCTIONS	
3 Weld Passes	
1st Pass/Root 1/8" E6010	
2nd Pass/Cap 3/32" E7018	
3rd Pass/Cap 3/32" E7018	
Vertical Up Progression	
Each Pass No More Than 3 Times Rod Diameter / Stringer Beads	
*Weld All the Way Out, Staggered Welds Are For Reference Only	

DATE:	6/8/2023	
DRAWN BY:	J. Waymack	
REF. DRWG:	2024 Pipe Coupon	
REV:	0	

MATERIALS	
3/8"X6" Flat Bar	
3" Sch.40 Pipe	
1/8" E6010 SMAW Electrodes	
3/32" E7018 SMAW Electrodes	

INSTRUCTIONS	
3 Weld Passes	
1st Pass/Root 1/8" E6010	
2nd Pass/Cap 3/32" E7018	
3rd Pass/Cap 3/32" E7018	
Vertical Up Progression	
Each Pass No More Than 3 Times Rod Diameter / Stringer Beads	

\*Weld All the Way Out, Staggered Welds Are For Reference Only

## STRUCTURAL COUPON

Top 10 Competitors receive scholarships!

**Structural Competition Coupon**

MATERIALS	
1/4"X6"X6" Flat Bar	
1/4"X4"X4" Flat Bar	
3/32" E7018 SMAW Electrodes	

INSTRUCTIONS	
2 Weld Passes on Each Side	
1st Pass/Root -3/32" E7018	
2nd Pass/Cap-3/32" E7018	
Vertical Up Progression (Weld 2 & 3)	
Weld Made in Either Direction (Weld 1 & 4)	
Cap Pass Should be a 5/16" Fillet Weld	
Weld Each Side in Sequence From Bottom to Top	
Weld 1: Overhead 4F	
Weld 2: Vertical 3F	
Weld 3: Vertical 3F	
Weld 4: Horizontal 2F	
*Weld All the Way Out, Staggered Welds Are For Reference Only	

DATE:	6/7/2023	
DRAWN BY:	J. Waymack	
REF. DRWG:	2024 Structural Coupon	
REV:	1	

MATERIALS	
1/4"X6"X6" Flat Bar	
1/4"X4"X4" Flat Bar	
3/32" E7018 SMAW Electrodes	

INSTRUCTIONS	
2 Weld Passes on Each Side	
1st Pass/Root -3/32" E7018	
2nd Pass/Cap-3/32" E7018	
Vertical Up Progression (Weld 2 & 3)	
Weld Made in Either Direction (Weld 1 & 4)	
Cap Pass Should be a 5/16" Fillet Weld	
Weld Each Side in Sequence From Bottom to Top	

Weld 1: Overhead 4F
Weld 2: Vertical 3F
Weld 3: Vertical 3F
Weld 4: Horizontal 2F

\*Weld All the Way Out, Staggered Welds Are For Reference Only

## TOOLS AND PPE

- Leather Work Boots
- Cotton or FR Jeans/Pants free of holes, rips, and/or tears
- Cotton or FR Long Sleeve Welding Shirt free of holes, rips, and/or tears
- Welding Hood\*\*\*
- Welding Safety Glasses\*\*\*
- Chipping Hammer\*\*\*
- Ear Plugs\*\*\*
- Wire Hand Brush\*\*\*
- Leather Welding Gloves\*\*\*

\*Available to borrow at the Arkansas Elite Tool Room