

## Welding & Fabrication Shop Safety Checklist

**Lab/Shop/Classroom:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Completed By:** \_\_\_\_\_

**Supervisor/Instructor:** \_\_\_\_\_

### Hot Work Permits & Fire Controls:

- Procedure in place
  - Permit(s) displayed
- Fire watch assigned before welding
  - During welding
  - After welding
- Fire extinguishers accessible
  - Rated, tagged
  - Inspected regularly
- Combustibles moved/covered
- Spark containment measures in place

### Welding PPE & Burn Protection:

- Welding helmets available & maintained
  - Correct shade(s) available
- Flame-resistant clothing
- Gloves rated for welding available
  - No holes, rips, tears
- Protective sleeves used
  - Aprons
  - Leggings
- Eye/Face protection available for grinding/prep

### Electrical Safety & Grounding:

- Welding machines bonded & grounded
- Cords in good condition
  - No frays, splices, damage
- Electrode holders in good condition
- Electrical panels accessible and labeled
- Lockout/tagout procedure accessible

### Fume & Gas Ventilation:

- Local exhaust ventilation for welding functional and maintained
- Adequate general ventilation
- Lead/hexavalent chromium/metal fumes monitored closely
- Respiratory protection available
  - Fit-test records available
- Fume extraction nozzles positioned appropriately

### Compressed Gas Cylinders:

- Cylinders secured upright
- Caps on when not in use
- Correct regulators for gas types
- Flashback arrestors on oxy-fuel lines
- Fuel/oxygen lines labeled
  - Free of leaks, obstructions, damages

### Material Handling & Storage:

- Metal stock stored safely
- Racks are stable & labeled
- Lifting aids available
  - Hoists
  - Cranes
- Chains/straps maintained & secure
  - Inspection logs available
- Material handling training delivered
  - Documentation available



## Risk-Rating Safety Checklist Form

(optional tie-in with spreadsheet tracking)

### Scoring Guide:

0 – Compliant

1 – Moderate risk

2 – High Risk [immediate action required]

### Section Scoring:

Area	0	1	2	Score
Hot Work Permits & Fire Controls				
Welding PPE & Burn Protection				
Electrical Safety & Grounding				
Fume & Gas Ventilation				
Compressed Gas Cylinders				
Machine & Tool Guards				
Material Handling & Storage				
Housekeeping & Fire Risk				
Training & Supervision				

### Risk Summary:

**Total Score:** \_\_\_\_\_ /20

Score	Rating	Action
0-3	Low	Maintain controls
4-7	Moderate	Correct within 30 days
8-12	High	Immediate action
13+	Critical	Stop work

Any risk marked as a “2” in the following areas requires *immediate* action:

- Fire Controls/Hot Work
- Fume ventilation
- Compressed gas safety
- Electrical Hazards