

## **REQUIRED TOOLS LIST - FRESHMEN WELDING TECHNOLOGY**

Welding tools can be purchased online or found at any local welding gas suppliers

### **Required Tools and Personal Protective Equipment**

- Leather Welding Jacket
- 4 ½" Electric Angle Grinder
- (5) 4 ½" Stringer Bead Wire Wheels
- (10) 4 ½" Grinding Wheels
- (3) Pairs Stick Welding Gauntlet style Gloves
- (2) Pairs Tig Welding Gloves
- Carbon Steel Long Handle Wire Brush
- Stainless Steel Long Handle Wire Brush
- Chipping Hammer
- Spark Lighter
- Replacement Flint
- Soapstone with Holder
- Welding Helmet with Replacement Clear Lens (minimum requirement is Shade 10)
- (10) Additional Replacement Outside Clear Lenses for Welding Helmet
- (5) Additional Replacement Inside Clear Lenses for Welding Helmet
- (2) 6" C-Clamps
- Wide Jaw Locking Pliers (Vice Grips 9r locking pliers)
- Welper Pliers
- (2) Welding Square Magnets - 12" Combination Square
- 12" Adjustable Wrench
- Safety Toe/Steel Toe Leather Work Boots
- (3) Pairs Clear Safety Glasses ANSI Z87 rating
- Safety Goggles for over prescription glasses (if applicable)
- (2) Pairs Shade 5 Safety Glasses ANSI Z87 rating
- Shade 5 Goggles for over prescription glasses (if applicable)
- Toolbox with Lock (approx. 10" x 10" x 20")
- Fire Resistant Welding Beanie
- Ear Plugs (reusable/full school year supply)
- Combination Lock
- 10ft Tape Measure
- Tip Cleaner set for Oxy Acetylene torch tips
- (10) pieces 3/32" Diameter x 7" Long Tungstens (Any of the following types: E3, 1.5% Lanthanated, 2% Lanthanated, 2% Thoriated)
- Fillet Weld Gauges

### **Non- Required, Suggested Tooling and Personal Protective Equipment**

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|--|-----------------------------|
| - Fire Resistant Cotton Welding Jacket | - Paint Marker              |
| - Welding Hat                          | - Sharpie Markers           |
| - Scriber                              | - 1 1/8" Combination Wrench |