

Please note: All items will be needed by the second class meeting.

1. Medium shade, full-face shield and headband (#5 or equivalent)
2. 1 Arc welding shield (Auto Darkening Optional)
3. 1 Clear face shield and headband for grinding
4. Clear cover lenses for the welding helmet (2)
5. 1 shop cap (optional)
6. 1 leather or flame retardant cotton cape or jacket
7. 1 pair of light leather gloves
8. 1 pair leather welding gloves, gauntlet type
9. 1 set of tip cleaners (long style optional)
10. 1 spark lighter
11. 1 slag hammer (chipping)
12. 1 wire brush-plain, long handle
13. 1 pair slip joint pliers
14. 1 pair vice grips
15. 1 pair of wire cutters
16. Boots or high top shoes (no tennis shoes allowed, steel or composite toe preferred)
17. Ear plugs
18. Soap stone
19. 1 pair safety glasses (with side shields) *Required. If you do not have eye protection, no shop work will be permitted*.
20. 12' Tape measure, minimum, 25' preferred
21. Adjustable square 12"
22. Fillet weld Gauges
23. 3/32 2% Thoriated (Red) **OR** 1.5% Lanthanated (Gold) Tungsten 10 PK (or individually from bookstore)
24. 1/8" Pure (Green) Tungsten 10PK (or individually from bookstore)
25. Handheld grinder (with 4 cut-off wheels and 4 grinding wheels per quarter)