

Name of School District _____

Name of School _____ Room # _____

Inspected By _____ Date _____

WELDING SHOP

| DESCRIPTION | Y | N | COMMENTS |
|--|---|---|----------|
| WAC 246-366-140 & 296-62-20004 Floors shall be clean and kept free of oil and other slippery substances. | | | |
| WAC 246-366-140, & 296-806-20004 Floors shall be free of obstacles so there are no slip, trip, or fall hazards. Hazard areas shall be plainly marked. In metal and wood shops, areas around equipment shall be marked with a two-foot safety zone. Projections shall be plainly marked. | | | |
| WAC 246-366-140, 296-806-200 All power tools shall be safe, properly labeled, and protected with correct belts, guards, and electrical connections. | | | |
| WAC 296-806-200, 296-806-20028 to 20034 Machine guarding shall meet WAC 296-806. Safety guards must be properly adjusted and functional for safe machine operation. | | | |
| WAC 246-366-140 & 296-807-15050 Hand tools shall be properly maintained and kept in a safe condition. | | | |
| WAC 246-366-140 & 296-800-11010 General operating instructions and safety reminder signs shall be posted on or near moving machinery and shop equipment. | | | |
| WAC 246-366-140 & 296-800-11010 Shop safety rules shall be displayed in plain view of room occupants. | | | |
| WAC 246-366-140 & 296-806-20002 Unstable equipment (e.g., drill presses, band saws, etc.) shall be secured to the floor or a table/stand to prevent tipping. Stand mounted equipment shall be fastened to the floor to prevent tipping. | | | |
| WAC 246-366-140, & 296-800-22035 Materials (e.g., lumber, metal, etc.) shall be stored in a manner that will prevent personal injury. Proper storage shall be provided for metal stock as required by WISHA. | | | |
| WAC 246-366-140, 296-24-95605 & IFC 605.3 All electrical panels, devices and connections shall be labeled and maintained in a safe condition. Nothing shall be stored 36" in front of or 18" to the side of electrical panels. | | | |
| WAC 246-366-140, 296-155-020 & 173-303 Hazardous and/or combustible waste shall not be allowed to accumulate. Such waste shall be removed from the shop area and properly disposed of as required by DOE regulations. | | | |
| WAC 246-366-140 & 173-303 Waste oil storage and disposal shall comply with DOE regulations. Oil spilled around storage barrels shall be cleaned up immediately. Containers need to be closed when not in use. | | | |
| WAC 246-366-140 A non-asbestos fire blanket shall be provided, identified, readily available, and visible to students & staff. | | | |
| WAC 246-366-140 & 296-800-22035 Project storage shall be adequate and safe. | | | |
| WAC 246-366-140 & 296-800-15030 Emergency eye wash stations shall be within 50 feet or ten seconds of all student workstations and shall provide 2.5 gpm for at least 15 minutes at 25 PSI or less. Bottled water eye wash stations do not meet the current WISHA and DOH requirements. They may be supplementary to units meeting the above specifications. | | | |
| WAC 246-366-140 & 296-806-40502 & 40510 All grinders shall have proper tool rests and eye safety shields | | | |
| WAC 246-366-140, 296-24-70003, 296-800-16040 & 16045 & ANSI 2.87.1 Eye protective devices (safety glasses, goggles, and full-face shields) are identified, visible, readily accessible and used by students and staff. | | | |
| WAC 246-366-140, 296-24-71503 & 296-24-71505 Mechanical ventilation shall be provided for all arc and gas welding/cutting tables in order to prevent welding vapors from traveling through the breathing zone. | | | |

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|---|---|---|----------|
| WAC 246-366-140, 296-24-69007 & 296-24-71501 Welding curtains or shields shall be provided at booths and other welding areas. | | | |
| WAC 246-366-140, & 296-800-11010 Safety signs should be posted where needed; e.g., "turn on ventilation," "wear eye protection." L&I does not require signs; but when signs are utilized, uniform design, including wording, shape and color, are mandated. | | | |
| WAC 246-366-140 & 296-806-20012 & IFC 3503.1.3 Master shut-offs shall be provided and identified for electricity and gas in all shop areas. A shut-off for water is recommended but not required. | | | |
| WAC 246-366-140 & 296-24-68201, 3 & IFC 3003 Compressed gas cylinders must be properly labeled, maintained, stored and secured, with caps in place, to prevent damage to the cylinder valve. Cylinder restraining devices must be adequate to prevent tipping and/or "rocketing." In-use cylinders must be secured either to a hand-truck or structure. | | | |
| WAC 246-366-140, 296-24-68507 & 296-24-70003 The gas welding/cutting area shall comply with state fire code and WISHA requirements. Eye protection shields shall be provided. | | | |
| WAC 246-366-140, 296-24-33009, IFC3404.3 All flammable liquids shall be stored in UFC and NFPA approved flammable storage cabinets with self-closing doors. Flammable wastes must be disposed of in approved flammable waste containers. Cabinets shall be locked or located in a locked room when not in use. | | | |
| WAC 246-366-140, 296-24-33009, & IFC 3405 All solvents for parts cleaning shall be stored in approved containers. Class 1 flammable liquids shall not be used. Fusible links on solvent tank lids shall be in place and shall operate as designed. | | | |
| WAC 246-366-140 & IBC Ch.28 Wood burning stoves shall not be used in school buildings. | | | |
| WAC 246-366-140, 296-24-370, 296-62-11019 & IFC 1504 Flammable finish areas and paint spray rooms shall have approved ventilation, filters, lighting, storage cabinets, and separation from other rooms. | | | |
| WAC 246-366-140, 296-24-370 & 296-62-11019 & IFC 1504 Filters in the paint spray booth/room shall be changed or cleaned as required | | | |
| WAC 246-366-140, 296-24-370 & IFC1503 Only Class 1 electrical, explosion-proof lights, fan or other electrical devices shall be allowed in flammable finish areas. | | | |
| WAC 246-366-140 & 296-62-11003 Ventilation and exhaust systems shall be installed in all shop areas in compliance with L&I WISHA rules, | | | |
| WAC 246-366-140, 296-62-11003 & IFC1903 Chip and sawdust collection systems shall be installed in all wood shops. | | | |
| OSPI VOCATIONAL SAFETY GUIDE & WAC 296-806-20004 Non-skid surfacing shall be used within the operator use zone of all stationary equipment. | | | |
| Annual professional maintenance - WSRMP Recommendations & WAC 296-806-200 | | | |
| Monthly inspection documented - WSRMP Recommendations & WAC 296-806-200 | | | |
| Air hoses/fittings/nozzles – WAC 296-807-14025 | | | |
| MSDS provided in shop – WAC 296-800-17015 | | | |
| Solvent containers labeled – WAC 296-828-20020 | | | |
| Proper Containers for flammables – WAC 296-24-33009 & IFC 3405 | | | |
| Adequate lighting for tasks – WAC 296-800-210 | | | |
| Items stored on lower shelves – American Red Cross Classroom Safety Checklist | | | |
| Emergency procedures posted – WAC 296-24-567 | | | |
| Fire evacuation routes posted – WAC 296-24-56701 | | | |
| Fire extinguishers charged/operable – WAC 296-800-30015 | | | |
| GFCI within 6' of a sink – WAC 296-24-95607 | | | |
| Exit paths clear – WAC 296-800-31025 | | | |
| Cabinets secured to wall or floor – American Red Cross Classroom Safety Checklist | | | |

THE FOLLOWING EQUIPMENT IS REQUIRED TO BE GUARDED, PROPERLY SECURED AND HAVE PROPER SAFETY DEVICES ACCORDING TO WAC 296-24-680 to 722

| DESCRIPTION | Y | N | COMMENTS |
|---|---|---|----------|
| Oxygen & fuel lines clearly marked & color coded IFC2609.3 | | | |
| All valves labeled WAC 296-24-68203 | | | |
| Oxygen and acetylene stores separately WAC 296-24-68203 | | | |
| Combustible materials stored away from heat WAC 296-24-68203 & IFC2604.1 | | | |
| Acetylene piping is steel or wrought iron only WAC 296-24-68207 | | | |
| Empty cylinders stored separately and marked WAC 296-24-68203 | | | |
| Flash arresters for coupled acetylene cylinders WAC 296-24-68205 | | | |
| Oxygen piping has high-pressure relief system at outlet | | | |
| Oxygen equipment & hoses are free from oil and grease | | | |
| Oxygen regulators are marked "USE NO OIL" WAC 296-24-68203 | | | |
| Emergency fuel shut-off provided and clearly marked | | | |
| Manifold system protected or fenced WAC 296-24-68205 | | | |
| Back flow check valve for each cylinder WAC 296-24-68203 | | | |
| Fire hazards removed/protected in welding areas IFC2604.1 | | | |
| Solvents stored away from welding areas IFC3404.2 | | | |
| 30-min. fire watch maintained after welding IFC2604.2.1 | | | |
| EQUIPMENT IN GOOD CONDITION? | | | |
| Oxy-acetylene welder WAC 296-24-682 | | | |
| Spot welder WAC 296-24-69003 | | | |
| Arc welder WAC 296-24-68503 to 68505 | | | |
| Gas hoses/fittings/nozzles WAC 296-24-68209 | | | |
| Compressor tank inspection current RCW 70.79.240 | | | |
| Grinding wheel tongue guard provided WAC 296-806-40508 | | | |
| Other equipment | | | |
| Other equipment | | | |