

# Welder

## Position Details

Class Code: 7250

Job Family: Skilled Trades/Technicians

Classification: Support Professional

Terms of Employment: [Pay Grade 55 on the Support Professional Salary Schedule](#)

FLSA STATUS: NON-EXEMPT

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## Position Summary

Under general supervision, performs welding, fabrication (layout and design), and sheet-metal work using a wide variety of metals.

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## Essential Duties and Responsibilities

This list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Sets up and operates arc, tungsten arc welding (TIG), metal inert gas (MIG), plasma, air arc, and spot welding equipment; makes appropriate voltage and current adjustments for differing metal types and repair situations.
2. Welds metal components to required specifications (i.e., pipe, tubing, motorized vehicles, equipment trailers, tool boxes, brackets, braces, supports, hand rails, window grills, equipment guards, playground equipment, etc.)
3. Ensures welding integrity of structures (i.e., beams, columns, trusses, bleachers, auditoriums, etc.)
4. Lays out, repairs, and installs pressure and non-pressure vessels including fuel tanks, hydraulic rams (and their components), custom-made tools, sheet metal, and structural steel.
5. Fabricates from blueprints and prepares as-built drawings for various types of projects including sheet metal and structural steel.
6. Analyzes and evaluates field measurements to complete designs and layouts.

7. Sets up and operates pattern cutting, motorized cutting, and welding torches; uses appropriate gases for each application and adjusts regulators; selects appropriate setting and cutting tips.
  8. Evaluates materials/equipment needs; submits purchase requests.
  9. Rigs heavy equipment and directs crane operators.
  10. Instructs and/or directs the daily activities of Skilled Trades Assistants (STAs), when assigned.
  11. Coordinates work with school activities and other trades/crafts.
  12. Responsible for the safe handling and disposal of hazardous materials.
  13. May administer first aid and/or Cardiopulmonary Resuscitation Automated/External Defibrillator (CPR/AED), as necessary.
  14. Conforms to safety standards, as prescribed.
  15. Performs other tasks related to the position, as assigned.
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## **Distinguishing Characteristics**

Involves highly-skilled work in welding and metal fabrication.

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## **Knowledge, Skills, and Abilities (Position Expectations)**

1. Knowledge of welding codes and symbols.
2. Knowledge of tensile strengths of various metals.
3. Knowledge of the load ranges and structures of heavy equipment, vehicles, and trailers.
4. Knowledge of rigging practices and procedures.
5. Knowledge of welding theory, practices, and procedures.
6. Knowledge of first aid, CPR/AED, and Universal Precautions.
7. Ability to recognize, understand, interpret, and apply all local, state, federal, and national codes/regulations including Uniform Building Code (UBC), Uniform Mechanical Code (UMC), Uniform Plumbing Code (UPC), National Fire Protection Association (NFPA), National Electrical Code (NEC), etc.
8. Ability to learn and apply operating/work procedures.
9. Ability to read and interpret blueprints, specifications, and plans.
10. Ability to plan, organize, and estimate costs of work.
11. Ability to weld low-pressure vessels.
12. Ability to operate hand and power tools and equipment.
13. Ability to interpret and apply mathematical/geometrical calculations.

14. Ability to wear respiratory protection and other personal protective equipment (PPE) in accordance with applicable state and federal standards.
  15. Ability to read and interpret written and/or verbal instructions.
  16. Ability to meet predetermined deadlines.
  17. Ability to perform strenuous, physical work.
  18. Ability to safely move and relocate heavy objects.
  19. Ability to work in confined areas.
  20. Ability to withstand heights and perform work safely.
  21. Ability to work cooperatively with employees and the public.
  22. Ability to recognize and report hazards and apply safe work methods.
  23. Possess physical and mental stamina commensurate with the responsibilities of the position.
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## **Position Requirements**

### **Education, Training, and Experience**

1. High school graduation or other equivalent (i.e., General Educational Development (GED), foreign equivalency, etc.)
2. Completion of apprenticeship or journeyman certification as a welder; or, Four (4) years' experience as a welder.

### **Licenses and Certifications**

1. A valid driver's license or state-issued identification card.
2. Certified Class 4G Welder certificate.
3. Physical Examination Respirator certificate. (If unable to obtain certificate at the time of application, it must be in possession at the time of offer or conditional offer.)
4. Current CPR/AED and First Aid certificates from the American Heart Association, American Red Cross, or other similar organization. Certifications must be maintained for the duration of the assignment. Certification training must be in-person and include a hands-on component. Online courses will not be accepted. A copy of the front and back of the CPR/AED and First Aid certificates must be uploaded into the application.

### **Preferred Qualifications**

None specified.

## Document(s) Required at Time of Application

1. Copy of a valid driver's license or state-issued identification card.
  2. High school transcript or other equivalent (i.e., GED, foreign equivalency, etc.)
  3. Apprenticeship and/or journeyman certificate/card, if applicable.
  4. Valid Welder Class 4G certificate.
  5. Physical Examination Respirator certificate, if applicable.
  6. Current First Aid certificate as indicated above. A copy of the front and back of the First Aid certificate must be uploaded into the application.
  7. Current CPR/AED certificate as indicated above. A copy of the front and back of the CPR/AED certificate must be uploaded into the application.
  8. Specific documented evidence of training and experience to satisfy qualifications.
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## Examples of Assigned Work Areas

District facilities - fabrication shop, cooling towers, mechanical rooms, Vegas PBS interactive television (ITV) antennas, Districtwide offices and schools (classrooms, locker rooms, cafeterias, restrooms, etc.)

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## Work Environment

### Strength

Medium/heavy - exert force of 50-100 lbs., occasionally; 25-50 lbs., frequently; or 10-20 lbs., constantly.

### Physical Demand

Frequent sitting, standing, walking, pushing, pulling, stopping, kneeling, climbing, crouching, reaching, handling, and repetitive fine motor activities. Mobility to work in a typical office setting and use standard office equipment. Stamina to remain seated and maintain concentration for an extended period of time. Hearing and speech to communicate in person, via video conference and computers, or over the telephone. Vision: Frequent near and far acuity, and color vision. Vision to read printed and online materials, a Video Display Terminal (VDT) screen, or other monitoring devices.

### Environmental Conditions

Varies from a climate-controlled office setting to work outdoors with temperatures ranging from mild/moderate to extreme cold/heat. Exposure to noise levels ranging from moderate to loud for occasional to frequent time periods.

## **Hazards**

Exposure to fumes emitted from welding rods, high and confined areas, and extreme heat from welding torches. Furniture, playground/office equipment, communicable diseases, chemicals and fumes (as related to specific assignment), and power/hand-operated equipment and machinery (as related to specific assignment).

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## **Examples of Equipment/Supplies Used to Perform Tasks**

TIG and MIG welders, oxyfuel gas welders, oxyacetylene torches, various saws, nibblers, unishears, slitters, shears, snips, metal grinders/polishers, various files, drills, tools for punching holes, sheet metal tools, wire cutters, pry bars, protractors, socket sets, etc.

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## **AA/EOE Statement**

The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, military status, or other characteristics protected by applicable law. Here at Clark County School District, we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity, we have the power to reflect the community we serve.

## **Job Revision Information**

- Revised: 06/07/23
- Created: 12/01/87