

Welding Technology Instructor

JOB DESCRIPTION

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Teach the Welding Technology curriculum to junior and senior students, preparing them for certification as American Welding Society (AWS) Certified Welders. Utilize a variety of instructional techniques to accommodate different learning styles and ensure student success.

Educational Qualifications:

- Minimum of 5 years in a full-time welding-related career field
- Ability to obtain an educational certified license to teach Welding Technology CTE
- Experience in teaching preferred
- Demonstrated knowledge of all areas of welding, including:
 - Shielded Metal Arc Welding (SMAW)
 - Gas Metal Arc Welding (GMAW)
 - Flux Core Arc Welding (FCAW)
 - Gas Tungsten Arc Welding (GTAW)
- Experience in team planning and curriculum development
- Willingness to supervise extracurricular and co-curricular activities related to welding
- Such alternatives to the above qualifications as the Superintendent and/or Board of Education may find appropriate

Essential Functions:

- Ensure safety of all students in a welding shop environment
- Teach and evaluate students using sound instructional practices
- Effectively manage the classroom and welding lab, maintaining a productive learning environment
- Prepare clear and timely lesson plans
- Maintain accurate and complete records as required
- Guide students in developing welding skills and knowledge necessary for industry certifications
- Attend parent/teacher conferences and provide student progress updates
- Assign and evaluate projects, quizzes, and exams to assess student learning
- Prepare substitute plans and instructional materials as needed
- Communicate with students and parents through interim reports, report cards, and conferences
- Adhere to professional teaching ethics
- Follow district policies and guidelines regarding student life and conduct
- Protect students, equipment, materials, and facilities
- Stay current with industry advancements and integrate them into the curriculum
- Act as a mentor and facilitator to help students achieve competency in welding techniques
- Promote student engagement and hands-on learning experiences
- Maintain respect and confidentiality in all interactions
- Work collaboratively with staff, students, and parents
- Refer students suspected of learning disabilities for proper diagnosis and support
- Attend professional development workshops, meetings, and training sessions
- Represent the welding program positively within the community and industry
- Implement instructional strategies that align with state and national welding standards

Other Duties and Responsibilities:

- Organize and supervise educational field trips to industry sites
- Mentor first-year teachers as needed
- Assist in curriculum and program development for welding instruction
- Participate in department and school-wide initiatives
- Act as department chairperson if requested
- Serve on committees and engage in co-curricular activities
- Supervise student teachers and provide guidance
- Maintain a safe and organized welding lab
- Provide incentives and motivation to students to encourage success
- Perform other duties as assigned by the Building Principal and/or Choffin CTC Director

Required Knowledge, Skills, and Abilities:

- Expertise in welding principles and processes, including SMAW, GMAW, FCAW, and GTAW
- Ability to interpret blueprints, welding symbols, and specifications
- Strong understanding of safety regulations and OSHA standards
- Effective communication and instructional skills
- Ability to work collaboratively with industry professionals
- Strong classroom and lab management skills
- Basic computer skills for record keeping and instructional support
- Ability to operate and maintain welding equipment and shop tools
- Organizational, problem-solving, and student engagement skills

Equipment Operated:

- Welding machines (SMAW, GMAW, FCAW, GTAW)
- Cutting torches and plasma cutters
- Metal fabrication tools and shop equipment
- Computer and Smart Board technology
- Standard office equipment (copier, telephone, calculator)

Additional Working Conditions:

- Exposure to welding fumes, heat, sparks, and noise
- Standing for extended periods in a shop setting
- Occasional lifting of materials up to 50 pounds
- Occasional travel for industry partnerships and professional development
- Occasional evening/weekend work for competitions or events
- Interaction with students requiring disciplinary measures
- Compliance with safety procedures and personal protective equipment (PPE)