BEDFORD COUNTY BOARD OF EDUCATION

TITLE – CTE Mechanical, Electrical, and Plumbing (MEP) Teacher (Grades 9-12)

OR

CTE Residential & Commercial Construction Teacher (Grades 9-120

QUALIFICATIONS

Required:

- Licensure Requirement (must meet one of the following pathways)
    - Relevant industry experience in **mechanical, electrical, plumbing trades**, OR **carpentry, concrete/masonry, HVAC, Welding, or residential or commercial construction operations**
    - OR a degree in a related field (e.g., Mechanical Engineering, Electrical Technology, Plumbing Technology)
    - OR a combination of education and industry experience.
- Preferred Valid Tennessee teaching license, Occupational License, or be able to meet the requirements to obtain Occupational License.
- Applicable endorsement for subject area if required
- Demonstrated competency in the core academic subject area assigned

Preferred:

- Industry certifications (e.g., **Licensed Electrician, Journeyman/Master Plumber, HVAC Certification, NCCER Certification, NOCTI Assessment, or TN General Contractor's License).**
- Experience implementing **project-based learning methodologies** in an instructional setting.
- Teaching experience or willingness to obtain **Tennessee teaching credentials**.
- Knowledge of core academic subject assigned
- Knowledge of curriculum and instruction
- Ability to instruct students and manage their behavior
- Strong organizational, communication, and interpersonal skills

- Meets health and physical requirements.

Experience:

- Student teaching, approved internship, or related work experience

JOB GOAL

Bedford County Schools is seeking a **Mechanical, Electrical, and Plumbing (MEP) Instructor** OR **Residential and Commercial Construction Instructor** to join our Career and Technical Education (CTE) team. This position prepares students for careers in mechanical, electrical, and plumbing trades or the general construction trades within the **Construction** career cluster. The ideal candidate will have industry experience and a passion for educating the next generation of skilled trade professionals through **hands-on, project-based learning**.

ACCOUNTABLE TO: School Principal

ESSENTIAL FUNCTIONS – Major Responsibilities and Duties:

Instruction & Curriculum Development

- Deliver hands-on instruction in **mechanical, electrical, and plumbing systems**
    - OR **residential and commercial construction**
- Develop lesson plans aligned with **Tennessee CTE standards**.
- Utilize **project-based learning (PBL) strategies** to engage students in real-world problem-solving and skill development.
- Incorporate industry-standard tools, technologies, and safety practices.

Student Assessment & Support

- Assess student learning through **hands-on projects, performance-based tasks, and industry-aligned assessments.**
- Provide career guidance, including industry certifications and job opportunities.

Industry Engagement & Compliance

- Maintain relationships with industry partners for **guest lectures, internships, and work-based learning opportunities.**
- Ensure a **safe learning environment** by enforcing OSHA regulations and other industry standards.

Instructional Strategies

- Develop and implement lesson plans that fulfill the requirements of the district's curriculum program and show written evidence of preparation as required.
- Prepare lessons that reflect accommodations for differences in individual student differences.
- Plan and use appropriate instructional and learning strategies, activities, materials, equipment, and technology that reflect an understanding of the learning styles and needs of students assigned and present subject matter according to guidelines established by the State Board of Education, board policies, and administrative procedures.
- Conduct an assessment of student learning styles and use results to plan instructional activities.
- Work cooperatively with special education teachers to modify curricula as needed for special education students according to guidelines established in Individual Education Plans (IEP).
- Work with other members of staff to determine instructional goals, objectives, and methods according to district requirements.
- Plan and assign work to instructional aide(s) and volunteer(s) and oversee completion.

Student Growth and Development

- Conduct ongoing assessments of student achievement through formal and informal testing.
- Assume responsibility for extracurricular activities as assigned. Sponsor outside activities approved by the campus principal.
- Be a positive role model for students; support the mission of the school district.

Classroom Management and Organization

- Create a classroom environment conducive to learning and appropriate for the physical, social, and emotional development of students.
- Manage student behavior in accordance with Student Code of Conduct and student handbook.
- Take all necessary and reasonable precautions to protect students, equipment, materials, and facilities.
- Assist in selecting books, equipment, and other instructional materials.
- Compile, maintain, and file all reports, records, and other documents required.

Communication

- Establish and maintain a professional relationship and open communication with parents, students, colleagues, and community members.

Professional Growth and Development

- Participate in staff development activities to improve job-related skills.
- Comply with state, district, and school regulations and policies for classroom teachers.
- Attend and participate in faculty meetings and serve on staff committees as required.

Other

- Follow district safety protocols and emergency procedures.

Mental Demands/Physical Demands/Environmental Factors:

- Tools/Equipment Used: Personal computer; standard instructional equipment; *[P.E. teachers: automated external defibrillator (AED)]*
- Posture: Prolonged standing; frequent kneeling/squatting, bending/stooping, pushing/pulling, and twisting
- Motion: Frequent walking
- Lifting: Regular light lifting and carrying (less than 15 pounds); may lift and move textbooks and classroom equipment
- Environment: Work inside, may work outside; regular exposure to noise
- Mental Demands: Maintain emotional control under stress; work prolonged or irregular hours

WORK CONDITIONS

Normal working environment.

GENERAL REQUIREMENTS

The above statements are intended to describe the general nature and level of work being performed by people assigned to this position. They are not intended to be a complete list of responsibilities, duties, and skills required of personnel so assigned.

SALARY	As per current state and local salary schedules.
CONTRACT LENGTH	200 days—FLSA EXEMPT
SICK LEAVE	1 Day per month of service

PERSONAL	2 days per year
PROFESSIONAL	1 day per year
VACATION	As per current Board Policy
EVALUATION	Performance will be evaluated in accordance with local and state guidelines.