

**CLARKSVILLE-MONTGOMERY COUNTY SCHOOL SYSTEM**  
**CLARKSVILLE, TENNESSEE**  
**JOB DESCRIPTION**

**Job Title:** Electrical Systems Teacher

**Department:** Instruction

**Calendar:** Teacher Calendar (200 days)

**Grade:** Teacher Salary Schedule

**Job Description**

**Date Reviewed:** May 2023

**Reports To:** Building Principal

**Purpose of Job**

To prepare students interested in careers as electricians with the basic knowledge, skills, and competencies needed to safely utilize tools to perform operations with device boxes, conduit, raceway systems conductors, and cable. Teachers will follow a basic course sequence that begins with fundamentals of construction, including proper measurement and application of mathematical concepts in year one. They will move into mechanical, electrical, and plumbing systems in which they will introduce students to the physical principles of these systems and the fundamental skills needed to work with them in year two. Year three of the course will delve more deeply into the standards associated with electrical systems, including the reading and interpretation of the National Electrical Code, drawing, specifications and diagrams to determine materials and procedures needed to complete a project; in addition teachers will introduce students to basic troubleshooting procedures and power systems while expanding on principles of the construction industry, delving deeper into business and project management.

**The following duties are normal for this job. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned.**

- Designs program lessons and activities following the expectations of the five CTE Size, Scope and Quality Indicators (SSQIs)
- Teaches academic and technical skills in aligned to state standards in the assigned subject area that will be required for successful job performance.
- Facilitates activities that allow students to develop their employability and leadership skills, emphasizing the importance of reliability, efficiency, promptness, good attitude, and thoughtful work habits.
- Organizes class time so that preparation, instruction, lab work, and clean up activities can be accomplished satisfactorily within the allotted time.
- Consults regularly with professionals outside of the school system to understand current industry expectations and ensure that displays, materials, activities and demonstrated skills, techniques, and processes shared with students are as accurate and realistic as possible
- Communicates with parents, counselors, administrative and supervisory personnel and community representatives to share information regarding innovations and current job requirements and opportunities in related fields
- Collaborates with district staff and the school level Inventory Control Representative to conduct a biannual review of assigned equipment; follows all district protocols for the reporting of

broken/damaged equipment, the acquisition of new equipment, or the removal/disposal of unwanted equipment.

- Ensures students follow appropriate safety precautions and in the conservative sensible use of tools, materials, machinery, and equipment.
- Organizes and provides opportunities for students to participate in Career and Technical Student Organization (CTSO) activities as an integral part of the assigned subject area.
- Meets and instructs assigned classes in the locations and at the times designated.
- Plans a program of study that, as much as possible, meets the individual needs, interests, and abilities of the students.
- Creates a classroom environment that is conducive to learning and appropriate to the maturity and interests of the students.
- Prepares for classes assigned and shows written evidence of preparation.
- Establishes and communicates clear outcomes for all lessons, class work, and projects. The outcomes are communicated to students.
- Supports the program of study, using a variety of instructional techniques, instructional media/resources and technology.
- Serves as a model for the district's mission, vision and goals.
- Assesses the progress of students on a regular basis and provides progress reports as required.
- Recognizes potential learning disabilities of students and seeks the assistance of qualified personnel.
- Takes all necessary and reasonable precautions to protect students, equipment, materials, and facilities.
- Maintains accurate, complete, and correct records as required by law, district policy, and administrative regulation.
- Assists the administration in implementing all policies and rules governing student life and conduct. Develops reasonable rules of classroom behavior and procedure, and maintains order in the classroom in a fair and just manner.
- Makes provision for being available to students and parents for education-related purposes outside the instructional day when required or requested to do so.
- Plans, supervises, and provides guidance for teacher aide(s) and volunteer(s) and, cooperatively with department heads, evaluates their job performance.
- Attends and participates in staff meetings and serves on staff committees.
- Analyzes and uses appropriate data to guide instruction and develop assessments.
- Maintains a standard of performance and conduct as required by state, law, local board of education and community expectations.
- Provides detailed plans for substitute teachers including lessons, schedules and rules regarding classroom organization, procedures and individual student needs.
- Supervises pupils at school related functions to include on and off campus activities.
- Maintains professional competence through in-service education activities.
- Assists in budget preparation and in the selection of books, instructional supplies, materials and equipment.

**Additional Job Functions**

Performs other duties as required.

**Evaluation:**

Performance of this job will be evaluated in accordance with provisions of the Board's policy on Evaluation of Professional Personnel.

**Minimum Training and Experience Required to Perform Essential Job Functions:**

- U.S. Department of Labor Certificate of Completion of Apprenticeship, OR NOCTI assessment (Electrical 5271), OR state contractor license (from TN or another state); PLUS
- A valid Tennessee Teaching Certificate with the endorsement for Electrical 6-12 (701) OR
  - High School Diploma and 5 years of relevant work experience within the last 10 years; OR
  - Associate Degree in building construction and 1 year of relevant work experience in the last 10 years; OR
  - Bachelor's degree in building construction,
- AND successful student teaching experience if applicable OR intent to enroll in an Educator Prep Program for Occupationally Licensed Teachers

**KNOWLEDGE OF JOB**

Considerable knowledge of the policies, procedures, and activities of the school system, and supervisory practices as they pertain to the performance of duties relating to the position. Capability to develop and implement long-term goals. Knows how to keep abreast of any changes in statutes, policy, procedures and methods as they pertain to public education. Is able to effectively communicate and interact with subordinates, supervisors, members of the general public, and other groups involved in the operation of the school system. Is able to assemble information and make written reports and documents in a concise, clear, and effective manner. Has good organizational, management, interpersonal, and technical skills. Is able to use independent judgment and discretion in supervising subordinates, including the handling of emergency situations, determining and deciding upon procedures to be implemented, setting priorities, maintaining standards, and resolving problems.

**MINIMUM QUALIFICATIONS OR STANDARDS REQUIRED TO PERFORM ESSENTIAL JOB FUNCTIONS****REQUIRED SKILLS, ABILITIES AND PHYSICAL REQUIREMENTS:**

- Must be able to do occasional lifting, carrying, pushing and/or pulling of up to 40 pounds, standing, sitting, walking, bending, stooping or kneeling;
- Must be able to traverse school facility;
- Must have significant fine finger dexterity;
- Must be able to operate standard office equipment including pertinent and required software applications;
- Must possess excellent language skills (verbal and written) requiring the ability to read informational documentation, directions, instructions, policies and procedures related to this job, requiring the ability to give assignments and/or directions to co-workers, assistants, supervisors, students and parents/guardians, requiring the ability to deliver verbal and written communications in English language;
- Must possess excellent interpersonal skills with ability to interact with people (staff, supervisors, parents/guardians, students) and maintain professionalism and tact in all situations, including emergent ones, must be able to maintain constructive relationships;
- Must possess excellent organizational skills and attention to detail;
- Must be able to perform multiple, highly complex, technical tasks with periodic need to enhance skills in order to meet changing job conditions.
- Must be able to apply assessment instruments and analyze data and possess problem-solving skills.
- Must be able to make independent judgments in absence of supervision.

**NUMERICAL APTITUDE:** Requires the ability to utilize mathematical formulas; add and subtract totals; multiply and divide; determine percentages; determine time and weight.

**FORM/SPATIAL APTITUDE:** Requires the ability to inspect items for proper length, width, and shape, visually.

**PHYSICAL COMMUNICATION:** Requires the ability to talk and/or hear: (talking - expressing or exchanging ideas by means of spoken words). (Hearing - perceiving nature of sounds by ear).

**ATTENDANCE:** A regular and dependable level of attendance is an essential function for this position.

The Clarksville-Montgomery County School System is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the school system may provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer. Signatures below indicate the receipt and review of this job description by the employee assigned to the job and the immediate supervisor.

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**Employee's Signature**

**Employee's Munis Number**

**Date**