WIDE AREA NETWORK (WAN) ENGINEER
JOB DESCRIPTION

Salary: Grade 76

Reports to: Director of Technology

Supervises: NA

Job Goal: The Wide Area Network (WAN) Engineer is responsible for designing and implementing wide area networks in a local school agency. Employee supervises the installation, maintenance, and operation of a wide area network and associated computer hardware and software. Employee coordinates with the Director of Technology the evaluation of school system networking needs and recommends improvements and modifications to existing infrastructure. Employee diagnoses and resolves complex wide and local area network issues.

QUALIFICATIONS:
- Strong knowledge of wide and local area network architecture
- Strong knowledge of computers and related technologies
- Strong knowledge of infrastructure requirements and components of wide and local area networks
- Strong knowledge of network operating systems
- Considerable knowledge of wide and local area network protocols and diagnostic tools
- Ability to supervise technical support staff
- Ability to communicate effectively with all levels of technology users

PERFORMANCE RESPONSIBILITIES:
- Designs and implements wide area networks including network servers, hubs, routers, workstations and other peripheral devices.
- Installs and configures wide area network servers for email, Internet, and Proxy services.
- Installs and configures all necessary telecommunication devices.
- Operates and maintains wide area networks, tracks significant problems, monitors performance, and performs upgrades to hardware and software as required.
- Installs or modifies existing installations of networked computer hardware, software, and other components.
- Participates in long- and short-range technology planning
- Trains technical staff at the system and building level to follow proper operating procedures necessary to maintain the integrity of the network.
- Maintains documentation regarding network configurations, operating procedures, and service records relating to network hardware and software.
- Assists in developing training for building level faculty and staff in the proper operation of the wide and local area networks.
- Attends classes, seminars, conferences and reviews professional literature to enhance knowledge of trends and developments related to wide and local area network systems.

QUALIFICATIONS:
- Associate’s degree in Computer Science or related field, two years’ experience in a wide area network environment, or any equivalent combination of training and experience. Knowledge of networking protocols, experience in routed and frame relay network environments, experience with network management utilities. Certification as a Novell Administrator, Novell Engineer, or Microsoft Engineer or
any equivalent combination of training, certification, and/or experience which provides the required knowledge, skills, and abilities.

This specification has been designated to represent the general nature and level of work found in positions in this class. As such, it is not intended to contain all of the duties and qualifications required of an employee in a single position (job). Consequently, it is not to be perceived as a position (job) description or as identification of essential functions as required by ADA.

**TERM OF EMPLOYMENT:** 12 Months

**EVALUATION:** Performance will be evaluated in accordance with provisions of the Board’s policy on evaluation of personnel.

**INSTRUCTIONS TO APPLICANTS:** Fill out an online application on the Buncombe County School’s website: www.buncombe.k12.nc.us

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