



Title:	Local Area Network (LAN) Engineer
Reports to:	Technology Director
Terms of Employment:	12 months
Salary:	NC State Salary Schedule

NATURE OF WORK

An individual in this class is responsible for designing and implementing local area networks in a school environment. Employee supervises the installation, maintenance, and operation of local area networks 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 local area network issues.

ILLUSTRATIVE EXAMPLES OF WORK

Installs local area networks including network servers, hubs, routers, workstations, printers, and other peripheral devices.

Operates and maintains local 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 building level to follow proper operating procedures necessary to maintain the integrity of the network.

Maintains documentation regarding network configuration, operating procedures, and service records relating to network hardware and software.

Assists in developing and providing training to building level faculty and staff in the proper operation of the local area network.

Attends classes, seminars, conferences and reviews professional literature to enhance knowledge of trends and developments related to local area network systems.

KNOWLEDGE, SKILLS AND ABILITIES

Strong knowledge of local area network architecture.

Strong knowledge of computers and related technologies.

Strong knowledge of infrastructure requirements and components of local area networks.

Strong knowledge of network operating systems.

Considerable knowledge of local area network protocols and diagnostic tools.

Ability to supervise technical support staff.

Ability to communicate effectively with all levels of technology users.

SUGGESTED TRAINING AND EXPERIENCE

Completion of a four year degree in Computer Science, or a related field with coursework in networking and one year of work experience with networking, and supervisory training or experience; or

a two year degree in Computer Science or a related field, with specialized coursework in networking, and two years' experience in a network environment, and supervisory training or experience; or an equivalent combination of training and experience. Certification in network operating system's software such as Novell Administrator, Novell Engineer, or Microsoft Engineer preferred.