

Network Engineer
New Hanover County Schools

Job Description

Class: Classified
Dept: Technology

TITLE: Network Engineer

QUALIFICATIONS:

1. Associate's degree in technical field or equivalent training and/or experience.
2. Five years of increasingly responsible technical, networking and administrative experience.
3. Valid North Carolina driver's license.

REPORTS TO: Network Supervisor/Chief Technology Officer

JOB GOAL: To direct, manage, and coordinate projects relating to the New Hanover County Schools Wide Area Network (WAN) and Local Area Network (LAN); to oversee and manage the network performance, security, reliability and accessibility.

ESSENTIAL FUNCTIONS AND RESPONSIBILITIES:

1. Follow all rules, policies and procedures of New Hanover County Schools, along with state and federal regulations pertaining to schools and technology.
2. Manage the network performance, security reliability, and accessibility; develop, enforce, and maintain network security policy and practice; monitor LAN and WAN bandwidth and performance.
3. Manage assigned operations to achieve goals within available resources; plan and organize workloads, train technology staff.
4. Assist in the development of short and long range plans; gather, interpret and prepare data for reports and recommendations; coordinate networking activities with other departments and schools as needed.
5. Communicate official networking information technology plans, policies, and procedures to staff, vendors and customers.
6. Configure users, install and configure administrative applications on the wide area network.

7. Review reports of computer and peripheral equipment malfunction and maintenance to determine costs and plan operating changes.
8. Prepare and review proposals for hardware and software solutions.
9. Assist with fixed assets of network infrastructure equipment and inventory activities of technology products.
10. Perform related duties as requested by the Chief Technology Officer and/or Supervisor.

The above statements describe the general nature and level of work being performed by individuals assigned to this job. This is not intended to be an exhaustive list of all responsibilities and duties required of personnel so employed.

Terms of Employment: Twelve month work year/At Will/FLSA Exempt

Starting Salary and/or Grade: SA 4

Evaluation: Performance of this job will be evaluated in accordance with provisions of the Board and local policy on evaluation of personnel.

Knowledge, Skills and Abilities:

- Demonstrate a strong knowledge of WAN/LAN wired and wireless network architecture and management.
- Demonstrate a strong knowledge of Cisco network equipment, including but not limited to ASA, FirePOWER, IronPort, Nexus (NX-OS), Prime, ISE and UCS.
- Demonstrate functional knowledge of security devices, routers, and switches; protocols (TCP/IP, DNS, SSL,SMTP SNMP, NTP FTP, HTTP); network monitoring tools (FLUKE, Solar Winds) and security; basic office tools, spreadsheets, word processing, and presentation generation tools.
- Demonstrate a strong knowledge of Microsoft Active Directory management including SCCM.
- Demonstrate a strong knowledge of the principles of enterprise wireless infrastructure and management.
- Demonstrate functional knowledge of account provisioning, management, and automation.
- Maintains detailed documentation regarding network configuration, operating procedures, and service records relating to network hardware and software.
- Demonstrate functional knowledge of general programs, policies, and practices used in educational organizations; computer software installation and training.
- Demonstrate functional knowledge of long range and strategic planning concepts; ability to effectively administer a variety of projects/abilities simultaneously.
- Ability to analyze problems, identify alternative solutions, project consequences or proposed actions and implement recommendations in support of goals.
- Ability to lift 50 pounds.