

## NETWORK TECHNOLOGY CONSULTANT (BOCES # 2)

DISTINGUISHING FEATURES OF THE CLASS: Under the general supervision of the Coordinator - Network Support, this position which is primarily based out of the Lower Hudson Regional Information Center (LHRIC) within Southern Westchester BOCES School District provides high level technology consulting services to multiple assigned user school districts. This position acts as the overall research and development resource in the area of network technology and will serve as a technology consultant to multiple school district administrators. The incumbent researches, evaluates, and recommends a variety of technological products to assist districts in meeting their current and future academic needs. The incumbent also assists in integrating new products into existing environments and in solving chronic network technology problems in user districts. Incumbents produce proposals, cost estimates, status and evaluative reports for all network technology projects. The incumbent supervises network support staff such as Junior Network Specialists, Network Specialists, Senior Network Specialists, Associate Network Specialists, Network Engineers III and Systems Engineers III, and oversees the work of technology vendors in the installation, troubleshooting, and maintenance of products and upgrades. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Acts as technical resource for the entire department: Assists in providing equipment and cabling specifications, participates in cabling walk-thrus, pre-bid conferences, previews equipment proposals, cabling designs, modems and video conferencing;

Researches, evaluates and recommends products, platforms and technology directions such as New Systems, Internet clients, 100mb networks, video distribution systems, Internet firewalls, security and remote access systems, etc.;

Supervises network staff in integrating new products into existing environment by taking approved products and configuring them to work in the school environment;

Supervises network staff in solving chronic technology problems by diagnosing source of problem and advising staff of the corrective action to be taken, e.g., improves wide area network (WAN) telecommunications by configuring routers and servers, etc.;

Attends meetings with RIC management personnel to provide expertise in the area of network technology;

Provides information to the management of the RIC to facilitate decisions on network technology directions;

Prepares written proposals for new projects, status reports for projects in progress, and evaluative reports for districts using the RIC on a consulting basis;

Keeps apprised of current developments and trends in the field of network technology;

Oversees the work of network technology vendors in the configuration and installation of computers, computer peripherals and network components;

Coordinates technical assistance to school district users for computer hardware and software problems;

EXAMPLES OF WORK: (Illustrative Only) (Continued)

Assigns, schedules and monitors work of subordinate network staff;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the components, operation, maintenance, configuration and repair of network equipment; thorough knowledge of the latest trends and developments in network technology; good knowledge of telecommunications; ability to troubleshoot complex networking issues and identify solutions to problems; ability to establish effective working relationships with school district personnel, RIC staff and network technology vendors; ability to communicate clearly both orally and in writing; ability to plan and organize; ability to manage multiple assignments and priorities; ability to manage and supervise a technical support staff; ability to think logically; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; initiative; tact; resourcefulness; sound judgement; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Graduation from high school or possession of a high school equivalency diploma and either (a) A Bachelor's Degree\* in Computer Science, Information Technology or a closely related field and four (4) years of experience where the primary function is supporting PC based local and wide area networks; or (b) a Bachelor's Degree\* and five (5) years of experience as stated in (a); or (c) nine (9) years experience as stated in (a).

SUBSTITUTION #1: Current MCSE (Microsoft Certified Systems Engineer) may be substituted for six (6) months of the required experience.

SUBSTITUTION #2: Current CCNA (Cisco Certified Network Associate) Routing and Switching or CCNA Wireless certification may be substituted for six (6) months of the required experience.

SUBSTITUTION #3: Current CCNP (Cisco Certified Network Professional) Routing and Switching or CCNP Wireless certification may be substituted for eighteen (18) months of the required experience.

SUBSTITUTION #4: Current CCIE (Cisco Certified Internetwork Expert) Routing and Switching or CCIE Wireless certification may be substituted for four (4) years of the required experience.

\*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Department of Education as a post-secondary, degree-granting institution.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS:  
In accordance with the Safe Schools Against Violence in Education (SAVE) legislation,  
Chapter 180 of the Laws of 2000, and by the Regulations of the Commissioner of  
Education, candidates for appointment in school districts must obtain clearance for  
employment from the State Education Department prior to employment based upon a  
fingerprint and criminal history background check.