SENIOR MICROCOMPUTER TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS:

The work involves responsibility for overseeing the performance of regularly scheduled routine preventative maintenance and malfunction-generated repairs on, and installation of, computer equipment such as computer terminals, printers, personal computers, coax cable, micrographic equipment and other related peripherals and/or hardware. Equipment is maintained in working condition by the performance of preventative maintenance and investigations of problems by the Microcomputer Technician. When other than routine problems occur, the Senior Microcomputer Technician will perform the needed major technical repairs and diagnostic operations. This position trains less experienced microcomputer technician assistants and oversees the work of all technicians assigned to the department.

TYPICAL WORK ACTIVITIES:

1. Uses diagnostics and system tests to determine causes for malfunction in microcomputer systems and peripherals;
2. Disassembles, repairs and assembles microcomputer systems and printers;
3. Schedules and oversees the performance of preventative maintenance on internal and off-site computer equipment;
4. Prepares requisitions for replacement parts and repair items;
5. Communicates with school district personnel regarding technical support services and efficient microcomputer repair and maintenance;
6. Maintains logs of repairs and scheduled maintenance for district equipment;
7. Does related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Comprehensive knowledge of the principles and practices of diagnosis, maintenance and repair of microcomputers and related components such as terminals and printers; proficient skill in the use of electrical and electro-mechanical tools and testing equipment including digital multi-meter oscilloscope, logic analyzer and probe; good knowledge of assembly language as it relates to microcomputer repairs; thorough knowledge of electronic, digital and microprocessor theory and applications, and trouble-shooting techniques; ability to comprehend service manuals and utilize schematics; sequence charts and technical illustrations for electrical, mechanical, digital and microprocessor circuits; ability to communicate clearly and effectively verbally and in writing; ability to deal with people in a positive, helpful and instructional manner; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of an equivalency diploma and:

EITHER: (A)   An Associate's degree from a New York State or regionally accredited two-year college or university in Electrical Engineering Technology or a related field, with course work in microprocessors, digital logic circuiting, Boolean algebra, electronics, and analogue circuitry, and two (2) years of work experience repairing microcomputers, printers and peripherals;

OR: (B)   Completion of sixty (60) credit hours, including at least twenty four (24) credit hours in the areas specified in "A" above **and** two (2) years of work experience repairing microcomputers, printers, and peripherals;

OR: (C)   Completion of thirty (30) credit hours, including at least twenty four (24) credit hours in the areas specified in "A" above and three (3) years of work experience repairing microcomputers, printers, and peripherals.

SPECIAL REQUIREMENT:

An agency may require possession of a valid New York State driver's license at the time of appointment.

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