

PINELLAS COUNTY SCHOOL BOARD
FLORIDA

PCSB: 6520
Pay Grade: D11

FLSA: Non-Exempt

ELECTRONICS TECHNICIAN - JOURNEYMAN

MAJOR FUNCTION:

Performs lead, skilled journeyman level work in the maintenance, repair and installation of a wide variety of safety and non-safety related electronic equipment containing analog, digital and/or microprocessor-controlled circuitry. Work is performed independently, under general direction, and is reviewed upon completion through results obtained.

DUTIES AND RESPONSIBILITIES:

- Leads and trains assisting personnel in the on-site maintenance, repair and installation, and related bench repair activities, of safety and non-safety related electronic equipment and systems including one or more, but not limited to the following: clocks, bells, sprinkler system timers, intercoms, sound distribution, closed circuit television, scoreboards, public address systems, cable distribution systems, telecommunication systems, and intrusion/security access systems.
- Trains equipment/system users at operation site.
- Inspects and diagnoses defects in analog, digital and/or microprocessor-controlled equipment/ systems and adjusts, repairs or replaces defective parts.
- Tests faulty equipment and applies knowledge of functional operation of electronic units and systems to diagnose cause of malfunction.
- Tests electronic components and circuits to locate defects using instruments such as oscilloscope, signal generators, ammeters and voltmeters; replaces defective components and wiring and adjusts mechanical parts using hand tools and soldering/desoldering equipment.
- Performs maintenance and repair involving solid-state integrated circuit devices; maintains electronic relays and/or signal transmitters; rebuilds printed circuit boards.
- Makes circuitry comparisons to identify defective components such as integrated circuits, resistors, and transistors.
- Applies knowledge of the operation, maintenance, repair and care of diversified electronic equipment; of standard practices, methods, tools and materials of the electronic trade. Also applies knowledge of occupational hazards and safety precautions.
- Determines appropriate test and work procedures and confers with school administrators and other involved personnel on resultant school or other pertinent activity disruption.
- Reads and interprets complex schematics and sketches; carries out written and oral instructions; maintains records and prepares reports as required.
- Erects and works from scaffolding where needed; climbs and works from ladders and lifts and moves equipment on a regular basis.
- Attends training sessions as needed to update skills in the field of electronics.
- Performs related work as required.

ELECTRONICS TECHNICIAN JOURNEYMAN

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of a GED, and one (1) year of technical training in the field of electronics, plus four (4) years progressively responsible work experience in the repair, maintenance, and installation of one or more of the following types of electronic equipment: clocks, bells, and sprinkler system timers; intercoms; and TV and sound distribution equipment. The successful completion of up to two (2) years of verifiable formal training in the trade (vocational, military, or indentured apprentice school) may be substituted for a like amount of the experience requirement. Possession of a valid State of Florida Class E noncommercial driver's license, and any other license as may be required by law.

PREFERRED:

Certification as a Journeyman Certified Electronics Technician plus four (4) years progressively responsible work experience related to the duties and responsibilities.

ISSUED: 12/79 SSN; REVISED: 8/88 PBL; BOARD APPROVED: 9/14/88; REVISED MQ'S: 2/90 MW; BOARD APPROVED: 3/14/90; MQ'S REVISED: 11/91 PBL; BOARD APPROVED: 3/25/92; MQ'S REVISED: 3/1/99 AK; BOARD APPROVED: 6/15/99; REVISED WC: 7/04 LM; REVISED D&R, ADDED PREF: 7/05 AK.

The above statements are intended to describe the general nature and level of work being performed by employees assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities and duties required of those in this classification.

ELECTRONICS TECHNICIAN JOURNEYMAN

<u>WORKING CONDITIONS & PHYSICAL EFFORT:</u>	Seldom Or Never	Monthly	Weekly	Daily	Hourly
1. Lift objects weighing up to 20 pounds			X		
2. Lift objects weighing 21 to 50 pounds			X		
3. Lift objects weighing 51 to 100 pounds		X			
4. Lift objects weighing more than 100 pounds	X				
5. Carry objects weighing up to 20 pounds			X		
6. Carry objects weighing 21 to 50 pounds		X			
7. Carry objects weighing 51 to 100 pounds	X				
8. Carry objects weighing 100 pounds or more	X				
9. Standing up to one hour at a time				X	
10. Standing up to two hours at a time				X	
11. Standing for more than two hours at a time	X				
12. Stooping and bending					X
13. Ability to reach and grasp objects					X
14. Manual dexterity or fine motor skills					X
15. Color vision, the ability to identify and distinguish colors				X	
16. Ability to communicate orally					X
17. Ability to hear					X
18. Pushing or pulling carts or other such objects				X	
19. Proofreading and checking documents for accuracy		X			
20. Using a keyboard to enter and transform words or data		X			
21. Using a video display terminal		X			
22. Working in a normal office environment with few physical discomforts	X				
23. Working in an area that is somewhat uncomfortable due to drafts, noise, temperature variation, or other conditions				X	
24. Working in an area that is very uncomfortable due to extreme temperature, noise levels, or other conditions		X			
25. Working with equipment or performing procedures where carelessness would probably result in minor cuts, bruises or muscle pulls				X	
26. Operating automobile, vehicle, or van				X	
27. Other physical, mental or visual ability required by the job	X				