COLTON JOINT UNIFIED SCHOOL DISTRICT

CLASS TITLE: SENIOR MECHANIC

BASIC FUNCTION:

Under the direction of an assigned supervisor, participate in a variety of journey-level mechanical activities in the inspection, diagnosis, maintenance and repair of a variety of large and small diesel, gas and alternative fueled vehicles and equipment; participate in required inspections, preventive maintenance and servicing of vehicles; provide work direction and guidance to assigned personnel.

REPRESENTATIVE DUTIES:

ESSENTIAL DUTIES:
Perform a variety of journey-level mechanical activities in the inspection, diagnosis, maintenance and repair of a variety of large and small diesel, gas and alternative fueled vehicles and equipment; maintain District buses and vehicles in a safe and operational condition for the transportation of students and staff.

Participate in the adjustment, repair and maintenance of air and hydraulic and mechanical brake systems; adjust and perform brake jobs; perform transmission, motor and engine inspections, overhauls, maintenance and repairs; perform minor and major tune-ups on assigned vehicles and equipment; rebuild or replace engines as assigned by the position.

Perform scheduled preventive maintenance safety checks and inspections; assure compliance with State regulations, smog standards, CHP requirements as assigned and other requirements as assigned; assure vehicles and related activities comply with applicable laws, codes, regulations, policies and procedures.

Maintain electrical, cooling and air conditioning systems, and wheelchair lift systems according to established procedures.

Maintain shop area, equipment and tools in a safe, clean and orderly condition; provide work direction and guidance to new and assigned personnel as needed.

Perform electrical and acetylene welding, brazing and soldering as assigned.

Operate and maintain a variety of hand and power tools including lifts, jacks, stands, testers, meters, presses, grinders, welding tools, lathes, plasma cutters and chop saws; operate a computer and assigned software; drive a vehicle to conduct work.

Assist with ordering parts according to established procedures as needed.

Communicate with other maintenance staff, personnel and outside agencies to exchange information, coordinate activities and resolve issues or concerns.

Maintain records and reports as assigned related to safety inspections, maintenance activities, repairs, inventory and assigned duties.

Operate a school bus over a designated route in cases of emergency as assigned.

OTHER DUTIES:
Perform related duties as assigned.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:
Techniques and practices of maintenance and repair of heavy and light automotive vehicles and grounds maintenance equipment.
Safe operation of related tools, equipment and procedures in the overhaul, repair and adjustment of motor equipment and of fuel, ignition, electrical and cooling systems.
Operation, theory and principles of gasoline, diesel and alternate fuel powered engines and motors.
Methods, equipment, tools and materials used in the repair and maintenance of vehicles and equipment.
Diagnostic procedures for vehicles and equipment.
Operation of computerized and specialized equipment used in the diagnosis and repair of vehicles.
Proper methods of storing equipment, materials and supplies.
Preventative maintenance practices.
State regulations and other requirements for maintenance of designated vehicles.
Shop math applicable to vehicle maintenance.
Technical aspects of field of specialty.
Oral and written communication skills.
Record-keeping techniques.
Health and safety regulations.
Proper lifting techniques.

ABILITY TO:
Participate in a variety of journey-level mechanical activities in the inspection, diagnosis, maintenance and repair of a wide variety of large and small gasoline, diesel and alternate fuel-powered engines and related equipment.
Participate in mechanical installation, maintenance and repair projects.
Provide work direction and guidance to assigned personnel.
Operate computerized and specialized equipment used in the diagnosis and repair of vehicles.
Make adjustments, perform tune-ups and maintain vehicle parts, systems and equipment.
Adjust, repair and maintain air and hydraulic brake systems.
Diagnose and repair mechanical and electrical malfunctions.
Perform required inspections, preventive maintenance and servicing of buses and other vehicles.
Operate a computer and assigned software.
Interpret and apply State regulations and other requirements for maintenance of designated vehicles.
Read and apply technical and mechanical diagrams, schematics and repair manuals.
Maintain records related to safety, preventive maintenance and work performed.
Understand and follow oral and written directions.
Communicate effectively both orally and in writing.
Observe legal and defensive driving practices.
Work independently with little direction.
Establish and maintain cooperative and effective working relationships with others.
Interpret and apply applicable laws, codes, rules and regulations.

Estimate materials and supply needs.
Operate a variety of hand and power tools including welding equipment.
Maintain a variety records related to work performed.
Observe health and safety regulations.

EDUCATION AND EXPERIENCE:

Education: Graduation from high school or equivalent.
Experience: Three years of journey-level experience in automotive or diesel maintenance and repair.

Any combination of training and/or experience that would likely provide the required knowledge and abilities may be considered.

LICENSES AND OTHER REQUIREMENTS:

Valid Class A or B unrestricted California State driver's license with passenger and air brake endorsements.
Valid California Special Driver Certificate with zero restrictions is desired.
Valid First Aid Certificate issued by an authorized agency.
A.S.E. Heavy Duty Brake or equivalent certification within a designated probationary period is desired.
Clean Truck Check Tester credential is desired
Compressed Natural Gas Fuel System Inspector certification is desired

WORKING CONDITIONS:

ENVIRONMENT:
Vehicle and equipment repair shop environment.
Driving a vehicle to conduct work.
Exposure to fumes, dust, odors and oil/grease.
Emergency call-out.
Constant interruptions.

PHYSICAL ABILITIES:
Dexterity of hands and fingers to operate specialized equipment.
Seeing to perform inspections and repairs.
Hearing and speaking to exchange information.
Lifting, carrying, pushing or pulling heavy objects as assigned by the position.
Standing, walking and sitting for extended periods of time.
Bending at the waist, kneeling or crouching.
Reaching overhead, above the shoulders and horizontally.
Climbing ladders.

HAZARDS:
Subject to noise and fumes from equipment operation.
Exposure to chemical fumes and vapors such as gasoline, diesel fuel and cleaning agents.
Working in a cramped or restrictive work chamber.
Working around and with machinery having moving parts.
Working from heights.
Traffic hazards.