

## SENIOR PROJECTOR TECHNICIAN

### DEFINITION

Assists in planning and supervising the servicing, repairing, and rebuilding of the mechanical and electronic components of a variety of motion-picture and slide projectors and related equipment, and performs skilled repair work.

### TYPICAL DUTIES

Schedules, supervises, and performs repair work on a variety of slide, opaque, and motion-picture projectors.  
Inspects work quality and progress.  
Prepares requisitions for stock and nonstock materials and estimates for requested work.  
Inspects new projectors for conformance to specifications and recommends acceptance or rejection of new equipment.  
Confers with administrators concerning the services of the shop.  
Repairs and adjusts the frames and tripod supports of projection screens.  
Use of machine tools to fabricate and repair metal parts.  
Explains the operation and care of projection equipment to school personnel.  
Diagnoses defects in projector and sound-reproduction systems.  
Repairs and replaces electronic components of projectors.  
Repairs projector motors, including replacing armatures and resurfacing commutators.  
Cleans and adjusts condenser, objective, wide-angle, and sound-track scanning lenses.  
Inspects projectors to be replaced and reports on condition and cost of repair.  
Keeps records of materials used.  
May repair dictating machines.  
May make mechanical repairs on cameras.  
Performs related duties as assigned.

### DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Senior Projector Technician assists in planning and supervising the servicing, adjustment, and repair of a variety of motion-picture and slide projectors and related equipment in a shop and in schools, and performs skilled repair work.

A Projector Technician performs skilled servicing, adjustment, and repair of a variety of motion-picture and slide projectors and related equipment in a shop and in schools.

### SUPERVISION

General supervision is received from the Deputy Director of Maintenance and Operations. General supervision is exercised over Projector Technicians and Maintenance Workers or Appliance Repair Technicians.

## CLASS QUALIFICATIONS

### Knowledge of:

- Methods, materials, and tools used in the repair, maintenance, and adjustment of standard models of a variety of sound motion-picture projectors
- Analog and digital sound-amplification circuits and devices
- Microfilm equipment maintenance
- Sources and current costs of projector repair materials
- Safety orders issued by the State Division of Industrial Safety relating to repair of electrical and electronic equipment

### Ability to:

- Use a variety of hand tools and precision measuring tools required to repair and maintain sound motion-picture projectors
- Estimate time and materials accurately
- Interpret schematic diagrams
- Use electronic test equipment
- Operate a bench lathe
- Work effectively with school personnel
- Supervise effectively

### Physical Abilities:

- Visual acuity to read schematics
- Manual dexterity to use small hand tools
- Strength to lift equipment weighing up to 50 pounds

## ENTRANCE QUALIFICATIONS

### Education:

Courses in electronics and projector repair at a recognized trade school or college are desirable.

### Experience:

Three years of journeyman-level experience in the repair and maintenance of sound motion-picture projectors, including repair of both mechanical and electronic components.

### Special:

- A valid California Driver License.
- Use of an automobile.