

SOUTHWESTERN COMMUNITY COLLEGE DISTRICT

CLASS TITLE: AQUATIC EQUIPMENT TECHNICIAN

BASIC FUNCTION:

Under the administrative direction of the Dean for the School of Health, P.E. and Athletics, perform a variety of technical and skilled maintenance work involved in the repair and maintenance of the District's water craft, instructional equipment, and related tools at the Aquatic Center; organize and maintain boat and equipment storage areas; and perform general house keeping duties in the facility.

REPRESENTATIVE DUTIES:

Perform a full range of skilled maintenance duties involved in the repair and maintenance of District watercraft including kayaks, sailboats, and motor powered boats.

Perform preventive maintenance on all instructional and safety related equipment including surfboards, fishing equipment, life vests, and related items.

Perform safety checks on all watercraft and other instructional and safety equipment.

Modify equipment to accommodate disabled students' needs.

Design, build, implement, and maintain warehousing systems including equipment racking and storage systems.

Supervise and maintain an equipment inventory and check-out system.

Schedule, prioritize, and organize assignments and work according to priority; maintain routine records.

Operate a full range of power and hand tools, equipment, and machines used in the repair and maintenance of watercraft, repair and maintenance of instructional and safety equipment, and in the construction of storage facilities; service and maintain tools and maintenance equipment in working order.

Maintain shop area in a clean and orderly manner; requisition, obtain, and store spare parts, supplies, and materials.

Design, fabricate, maintain, and repair rolling stock of trailers and carts.

Transport equipment to offsite locations.

As assigned, may assist in paddle sports, whitewater rafting, and kayaking training and instruction.

As assigned, may provide standby water safety and rescue services.

Work cooperatively with Camp ABLE.

Perform related duties and responsibilities as required.

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:

Methods, materials, terminology, tools, and equipment used in the fabrication, maintenance, and repair of watercraft and aquatic instructional and safety equipment.
Principles, practices, and procedures used in a variety of skilled and semi-skilled trades including carpentry and woodwork/finishing, machining, and glazing.
Mig, Tig, stick, Oxyacetylene (steel, stainless steel, and aluminum), and linear and cross-link plastic welding principles, practices, and procedures.
Acrylic fabrication principles and practices.
CAD principles and practices.
Appropriate safety precautions and procedures including basic boating safety principles and practices.
Health and safety regulations.
Proper methods of storing equipment, materials, and supplies.
Technical aspects of field of specialty.
Interpersonal skills using tact, patience, and courtesy.
Record keeping techniques.
Oral and written communication skills.
Basic principles of supervision and training.

ABILITY TO:

Perform a full range of semi-skilled and skilled tasks involved in the maintenance, repair, and alteration of watercraft and aquatic instructional and safety equipment including those requiring carpentry and woodwork/finishing, machining, and glazing skills.
Safely and skillfully operate power equipment and hand tools involved in assigned maintenance, repair, and alteration duties.
Maintain and repair a variety of tools and equipment.
Read and use mechanical diagrams, repair manuals, and parts catalogues.
Perform a variety of tasks and heavy manual labor for extended periods of time and in unfavorable weather conditions.
Ensure adherence to safe work practices and procedures.
Analyze situations and adopt effective courses of action.
Learn, understand, interpret, apply, and explain applicable rules, regulations, policies, and procedures using good judgment.
Train and provide work direction to student workers.
Maintain accurate and complete records and files and prepare routine reports.
Operate and use assigned equipment.
Understand and follow oral and written directions.
Organize work to meet schedules and deadlines.
Work cooperatively with others.
Work independently in the absence of supervision.
Work with and exhibit sensitivity to and understanding of the diverse racial, ethnic, disabled, sexual orientation, and cultural populations of community college students.
Communicate clearly and concisely, both orally and in writing.
Establish and maintain effective working relationships with those contacted in the course of work.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: four years of training or experience that demonstrates journey-level skill in watercraft repair and maintenance including factory training in inflatable boat repair. Some lifeguard training is desirable.

LICENSES AND OTHER REQUIREMENTS:

Valid driver's license and a safe driving record.

Possession of, or ability to obtain, appropriate hazmat certification.

Possession of, or ability to obtain, an appropriate, valid first aid certificate is desirable

Possession of, or ability to obtain, an appropriate, valid CPR certificate is desirable.

WORKING CONDITIONS:

ENVIRONMENT:

Shop and beach environment.

Adverse weather conditions.

Noise from equipment operation.

Driving a vehicle to conduct work.

PHYSICAL ABILITIES:

Dexterity of hands and fingers to operate a variety of hand and power tools and equipment.

Reaching overhead, above the shoulders, and horizontally.

Standing for extended periods of time.

Bending at the waist.

Lifting heavy objects.

Turning/twisting.

Hearing and speaking to exchange information on the telephone or in person.

Sitting or standing for extended periods of time.

Seeing to observe and make necessary repairs.

HAZARDS:

Regular exposure to fumes, dust, and odors.

Welding sparks.

Working around and with machinery having moving parts.

Fumes from solvents.

Hazardous chemicals.

Created: June, 2002

Johnson & Associates