

FARM TECHNICIAN

BASIC FUNCTION:

Under the direction of a Director, perform daily work related to the operations of the CTE Center/Ag Farm. The incumbent will plan, organize, coordinate, and perform duties that facilitate operations within the CTE Center/Ag Farm. The incumbent will provide support to the program by working directly with staff and students.

REPRESENTATIVE DUTIES:

- Performs cultural practices and use of implements, including: Cultivation – disking, spring-toothing, tilling and plowing; Planting – transplanting, direct seeding and broadcast application; Fertilizing – application of liquid or granular material; and Harvesting – manual and mechanical methods. **E**
- Performs semi-skilled and skilled labor in the production of row, vine, tree and horticultural crops. Plants and cultivates trees. Applies fertilizer as needed. Prepares ground for planting. **E**
- Assists with construction and repair of irrigation systems. Layout, repair and maintain new and existing irrigation systems; digs trenches, sets equipment, unloads and relocates materials and cleans tools and equipment. **E**
- Monitors and maintains irrigation schedules for pasture, ornamental trees and orchard; control, operate and troubleshoot irrigation system using specialized computer system. **E**
- Read and interpret blueprints and designs. Maintains required records and makes reports on work completed and materials used. **E**
- Mixes and sprays pesticides and other chemical applications for the removal of weeds and pest control to ensure the chemical and cultural control of pests as directed. **E**
- Maintains livestock barns, horticulture facilities, pasture grounds and storage areas.
- Assists agriculture instructors in the acquisition and transportation of livestock, feed and supplies. **E**
- Provides training in farm management for students under the supervision of the agriculture instructors. **E**
- Observe farm and barn activity during animal feedings to ensure compliance with school rules. **E**
- Enforce school and District rules, regulations and policies for the safety and security of students, staff, and property according to established procedures. **E**
- Perform semi-skilled maintenance and repair of buildings, facilities and equipment in a wide variety of the building trades including electrical, plumbing, HVAC, carpentry, painting and others. **E**
- Operate and maintain a variety of power-driven and heavy equipment, including dump trucks, skip loaders, track and wheel tractors, forklifts, front end loaders, backhoes, and other labor-saving devices; maintain equipment in a safe and proper operating condition; perform welding in the repair and maintenance of fences, gates and other equipment as necessary. **E**
- Operate a variety of specialized equipment, as well as hand and power tools repair,

maintain and assure equipment is in safe and proper working order.

- Pressure washes buildings and equipment. **E**
- Performs gardening, pruning and grounds work on assigned school grounds: prepare and fertilize soil; fill potholes, remove trees and bushes as necessary. **E**
- Maintains minor mechanical systems including winches, motors, misting systems. **E**
- Regulates and repairs sewage and water systems, lines and equipment. **E**
- Perform HVAC and lighting control changes. **E**
- Maintains timers and thermostats used in the plant and animal units. **E**
- Maintains surface grade throughout facility to control erosion and deposition of soil. **E**
- Designs and constructs storage for materials and equipment. **E**
- Checks supplies and maintains basic records. **E**
- Other related duties as assigned.

KNOWLEDGE OF:

Methods, materials and equipment used in farming.

Requirements of maintaining buildings and facilities in a safe and clean condition.

Appropriate safety precautions and procedures.

Farm equipment used in cultivation, planting, fertilizing, and harvesting.

Cleaning equipment, tools, materials and supplies used in farming.

Methods of organizing and scheduling work.

Proper methods of storing equipment, materials, chemicals and supplies.

Oral and written communication skills.

Record-keeping techniques.

Operation and use of custodial equipment.

Computer skills.

ABILITY TO:

Provide a DMV printout dated within two months.

Plan, coordinate and participate in the farming activities of the assigned site.

Read and interpret blueprints.

Estimate and order supplies and equipment.

Prepare and maintain a variety of records related to work performed, supplies and material, labor costs and others.

Inspect facilities for needs and fire, safety and health hazards.

Prioritize and schedule work efficiently.

Work independently with little direction.

Communicate effectively both orally and in writing.

Prepare reports. Establish and maintain cooperative and effective working relationships with staff, students and the public.

EDUCATION AND EXPERIENCE:

Any combination equivalent to: graduation from high school and three years experience in farm management or related field, or equivalent.

WORKING CONDITIONS:

ENVIRONMENT:

Indoor and outdoor environment.
Subject to adverse weather conditions.

PHYSICAL ABILITIES:

Lifting moderately heavy objects.
Walking about site property.
Bending at the waist.
Kneeling.
Climbing.
Seeing to perform inspections.
Hearing and speaking to exchange information.

HAZARDS:

Working with around machinery with moving parts.
Chemical fumes.
Hazardous materials.
Noise from equipment operation.

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SMJUHSD
Range 37