

Title: Dos Pueblos Engineering Academy (DPEA) Engineering Machine Shop Teacher

Reports to: Site Principal

Salary Schedule Range: Depends on Experience (Highest placement would be at Class III, Step 8 of the Teacher Salary Schedule- available online in the Human Resources section of District website) Annual stipends for a Master's and Doctorate degrees.

Benefits: Eligible to participate in District health, vision, dental and term life insurance.

Calendar: 188 days for the 2017-18 school year (1.0 Full Time Equivalent Position)

Purpose of Position: Under the immediate direction of the Principal, is responsible for the academic, social and psychological growth of students in the DPEA. Collaborates with school personnel, parents and community agencies to provide quality instructional programs and to perform other duties directly related to this position description.

Essential Functions:

- Provides and supports learning experiences in Career Technical Education (CTE) Engineering Technology to DPEA students, using course of study approved by the SBUSD and the UCOP.
- Works collaboratively in the DPEA with other teachers in an integrated curriculum environment, requiring team-teaching on a daily basis.
- Has a good knowledge of all DPEA Safe Practices, will rigorously follow all DPEA Safe Practices, will teach students DPEA Safe Practices, and will take corrective action to remedy unsafe acts/conditions.
- Establishes and maintains a standard of student behavior needed to provide a safe, orderly, and productive machine shop environment.
- Instructs students in citizenship, basic communication skills and other general elements of the course of study specified in state law and administrative regulations and procedures of the school district.
- Develops and uses instructional materials suitable for verbal, auditory and visual instruction of students with wide range of mental, physical and emotional maturities.
- Provides individual and group instruction designed to meet individual needs for enhancing self-image.
- Differentiates instruction.
- Establishes and maintains standards of student behavior needed to achieve effective participation in all activities.
- Evaluates academic and social growth of students, and keeps appropriate records.
- Communicates with parents through a variety of means.
- Identifies student needs and cooperates with other professional staff members in assessing and helping students solve health, attitude and learning problems.
- Maintains professional competence through participation in Professional Learning education activities provided by the District and/or self-selected professional growth activities.
- Assesses student performance and develops lesson plans and instructional material for the class including individualized and small group instruction as necessary in order to adapt to the

needs of each pupil.

- Performs basic attendance accounting and business services as required.
- Procures materials to support the DPEA curriculum and operations (eg metal, acrylic, wood).
- Manufactures a variety of high-quality parts on CNC machines (mills, lathes, and router) to support the DPEA curriculum and operations.
- Develops and executes long-term equipment repair and replacement plans.
- Utilizes maintenance as teaching opportunity, as appropriate.
- Provides cost and/or curriculum justification for capital purchases.
- Maintains accurate inventory of all equipment, instruments, tools and furnishings in the machine and prototype shops. Maintains accurate records of all purchases.

#### Non-Essential Functions:

- Work with administrators and staff to coordinate lesson and performance schedules.
- Evaluate each pupil's development in the course(s) being taught and prepare necessary reports.
- Create a safe and effective environment for learning.
- Participates in curriculum and other developmental programs with the school and/or at the district level.
- May plan and coordinate the work of student teachers and pre-professionals working in the DPEA.
- May plan and coordinate the work of aides, teacher assistants, and other paraprofessionals working in the DPEA.

#### Working Conditions & Physical Demands:

- Ability to work at a desk, conference table or in meetings of various configurations.
- Ability to stand and circulate for extended periods of time.
- Ability to see for purposes of reading laws and codes, rules and policies, and other printed matter and observing students.
- Ability to hear and understand speech at normal speech levels.
- Ability to bend and twist, stoop, kneel. Ability to reach in all directions.
- Ability to communicate so others will be able to clearly understand normal conversation.
- Ability to lift up to 50 pounds.
- Ability to carry up to 50 pounds.
- Moderate to high stress levels.
- Work is predominantly in a school environment.
- Climate is normal; occasional adverse weather conditions.
- Regular Contact with students, teachers, school staff, district staff, parents and community members.

#### Required Qualifications:

- Possession one or more of the following credentials:

- 1) Single subject teaching credential authorized to teach Industrial and Technology Education
- 2) Designated Subjects CTE credential in Engineering and Architecture
- 3) Designated Subjects CTE credential in Manufacturing and Product Development

- Must be a highly qualified and competent machinist who has the ability to perform and teach all levels of machining/fabrication technology and is committed to the welfare and education of all students.

- If not fully credentialed, candidate must be willing to enroll in credential program and have at least 18 units in the subject area to qualify for a short term staff permit; or must be enrolled in a credential program and be eligible for an internship credential.

Desired Qualifications:

- Bilingual in English and Spanish.

The District reserves the right to update, revise or change this job description and related duties at any time.