

**INDUSTRIAL TECHNOLOGY TEACHER
HIGH SCHOOL
JOB DESCRIPTION**

DESCRIPTION:

Position is teaching Engineering, Computer Drafting, and Architecture in the AERO Energy Academy. Successful applicant will be energetic, student focused and a team player. Understanding of and enthusiasm for Energy sector, including Solar, Wind, and other renewable energy

DUTIES AND RESPONSIBILITIES: *(Other duties may be assigned)*

Ability to manage a computer lab. Grades 9-12.

Project Lead the Way trained or willing to do so (IED)

Understanding of and ability to implement project based learning and integrated projects.

NCCER Craft Instructor preferred or willing to be trained

Develop lesson plans and organizes class activities.

Direct the KidWind Wind Power Integrated Project.

Provide individual and whole class instruction and assessment

Demonstrate skill in technical and safety topics

Establish and maintain an orderly and productive classroom and lab environment.

Evaluate each student's progress in concepts and skill taught, assessing each individual's contribution to group projects.

Maintain professional competence through participation in inservice education activities provided by the district and/or in self-selected growth activities.

QUALIFICATION REQUIREMENTS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE:

Appropriate teaching credential

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LANGUAGE SKILLS:

Ability to read, analyze, and interpret general information periodicals, professional journals, technical procedures, or governmental regulations.

Ability to write reports, business correspondence, and procedure manuals.

Ability to effectively present information and respond to questions from groups of teachers, parents, and/or community members.

MATHEMATICAL SKILLS:

Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry.

Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical solutions.

OTHER SKILLS AND ABILITIES:

Ability to apply knowledge of current research and theory to instructional program; ability to plan and implement lessons based on district and school objectives and the needs and abilities of students to whom assigned.

Ability to establish and maintain effective relationships with students, peers and parents; skill in oral and written communication.

PHYSICAL DEMANDS: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently required to stand and talk or hear and sometimes walk and sit. Occasionally, the employee will bend or twist at the neck more than the average person. While performing the duties of this job, the employee may occasionally push or lift up to 50 lbs, such as boxes of books and AV/VCR/computer carts. The employee is directly responsible for safety, well-being, or work output of other people.

Specific vision abilities required by this job include close vision such as to read handwritten or typed material, and the ability to adjust focus. The position requires the individual to meet multiple demands from several people and interact with the public and other staff.

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WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The noise level in the work environment is moderate to loud.

The information contained in this job description is for compliance with the American with Disabilities Act (A.D.A.) and is not an exhaustive list of the duties performed for this position. Additional duties are performed by the individuals currently holding this position and additional duties may be assigned.

*Personnel Office
Porterville Unified School District
6/2013*