

COURSE DESCRIPTION

OCCUPATIONAL ORIENTATION AND SAFETY

Knowledge and skill acquired and needed in the safety practices and techniques in the welding trade.

PRINCIPLES OF WELDING

Reinforce the knowledge and skills acquired in the welding fundamentals and build confidence to refine the basic fundamentals.

WELDING, DRAWING, AND WELD SYMBOL INTERPRETATION

Reinforce the knowledge in blueprint reading and the identification, meaning and use of the welding symbols.

SHIELDED METAL ARC WELDING (SMAW)

Reinforce the knowledge and skill of shielded metal arc welding and the machines and equipment used to perform the arc welds.

GAS METAL ARC WELDING

Reinforce the knowledge and skills in gas metal arc welding and build confidence to refine the basic MIG welds and the set-up of the equipment.

FLUX CORED ARC WELDING (FCAW)

Reinforce the knowledge and skills in flux cored arc welding and build confidence to refine the basic fundamentals.

GAS TUNGSTEN ARC WELDING (GTAW)

Reinforce the knowledge and skill of gas tungsten arc welding and build the confidence to refine the basics of TIG welding and the equipment setup.

MANUAL OXYFUEL GAS CUTTING (OFC)

Reinforce the knowledge and skills of flame cutting and refine the basics of flame cutting and the equipment setup.

MECHANIZED OXYFUEL GAS CUTTING

Reinforce the knowledge and skills of arc cutting using mechanized equipment along with equipment setup and maintenance.

MANUAL PLASMA ARC CUTTING (PAC)

Reinforce the knowledge and skills of plasma arc cutting and refine the basics of plasma arc cutting and the equipment setup.

MANUAL AIR CARBON ARC CUTTING

Reinforce the knowledge and skills of air carbon arc cutting and refine the basics of air carbon arc cutting and the equipment setup.

BRAZING AND SOLDERING

Reinforce the knowledge and skills of brazing and soldering using oxyfuel equipment and refine the basics of equipment setup.

Mr. Frank Rupp
Schuylkill Technology Center
15 Maple Avenue
Mar Lin Pa. 17951

PLEASE
PLACE
STAMP
HERE

WELDING

A Visitation Invitation



Schuylkill Technology Center

Our Mission

Opportunities in the welding field are endless and can be extremely rewarding – and because it is widely used in construction, manufacturing and many other industries, employers have a constant need for skilled welders. Welding is an important part of our nation's growth and stability. In fact, for those who are involved in the welding industry, there is a strong conviction that a large part of the U.S. economy is dependent on welding and that continued advances in the field help to drive this nation's productivity and strengthen its financial stability.

Graduates of this program of study will receive high quality training in order to meet the needs of business and industry. In addition, the skills taught should include the seamless integration of academic concepts with technical competencies, providing the linkage from conceptual to contextual learning. Furthermore, the skills taught should offer the requisite aptitudes for job advancement, security and portability. Completing a welding program will prepare career and technical education students for gainful entry-level employment.



CAREERS IN:

- **Welders**
- **Welding Technicians**
- **Welding Supervisors**
- **Welding Inspectors**
- **Quality Assurance and**
- **Nondestructive Testers**
- **Welding Estimator**
- **Repair Technicians**
- **Construction Welders**
- **Industrial/ Production Welding**
- **Welders Helpers**
- **Welding Sales and Services Representative**
- **Art & Sculpture Design**

IF YOU ARE INTERESTED AND WOULD LIKE TO VISIT THE WELDING PROGRAM AT THE SCHUYLKILL TECHNOLOGY CENTER (STC) PLEASE COMPLETE THIS FORM AND RETURN IT TO STC, OR SEE THE GUIDANCE DEPARTMENT AT YOUR SCHOOL DISTRICT TO MAKE ARRANGEMENTS.

SCHOOL DISTRICT:

() Half Day () Full Day

Please check one

HOME SCHOOL: _____

Name: _____

Age: _____ Present Grade Level: _____

Street Address: _____

City: _____ Zip Code: _____

The Schuylkill Intermediate Unit, in collaboration with school entities, community agencies, business and government partnerships, serves the changing needs of education through delivery of services, improvement of current programs and implementation of new initiatives.

Mr. Frank Rupp
Schuylkill Technology Center
15 Maple Avenue
Mar Lin Pa. 17951
570-544-4748

For additional information visit my web page

www.stcenters.org/Page/150