

WELDING INSTRUCTOR: MR. NORDIC SHREVE

# Welding

*Fusing Metal With Fire*

## Necessary Skills:

- Critical Thinking
- Active Listening
- Control Precision
- Communication
- Coordination
- Manual Dexterity
- Mechanical Knowledge
- Design Abilities
- Reading & Interpreting

## Physical Demands

Welding is not for everyone.

Welders spend extended periods of time in physically demanding positions, sometimes in confined spaces.

Welders must wear heavy and bulky protective gear.

Many welding jobs are outside, with the welder exposed to the elements, year around.

Welders often must lift and move large and heavy parts to position them for welding or cutting.



## WHITE-HOT OPPORTUNITIES!

Opportunities in the welding field are endless and can be extremely rewarding ó 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. Welders build America!

## Work & Wages

Welder: \$13-20/hr

Highly skilled welders are sought by numerous employers in Southwest Pennsylvania!

Sources: bls.gov

cwds.state.pa.us

## Program of Study advantage:

By completing all of your task list and NOCTI tests, you will be eligible to receive Articulated Credits (college credit for CTC classes) toward your Associates Degree—saving you time and \$\$\$!

## Take the Right Classes !

### Math

Algebra I  
Algebra II  
Geometry  
College Prep Math (recommended)

### English

College Prep English I  
College Prep English II  
College Prep English III  
College Prep English IV

### Science

Biology  
Chemistry  
Physics

### Humanities

Civics  
U.S. History  
World History



## Welding/Welder CIP #48.0508

Colleges that are participating in the State-wide Articulation Agreement for this program include:

Thaddeus Stevens College of Technology  
 Pennsylvania College of Technology  
 Pennsylvania Highlands Community College  
 Westmoreland County Community College  
 Community College of Allegheny County  
 Northampton County Community College



### Notice of Non-Discrimination

The Connellsville Area School District is an equal opportunity employer and educational institution and will not discriminate on the basis of race, color, national origin, sex, disability or age in its activities, programs or employment practices as required by Title VI, Title IX and Section 504. Inquiries or grievances should be directed to Karen Marko 724-628-3300

## Clothing/Safety Requirements

- 1st Year: Eye Protection, Long Denim Pants (no holes), Steel Toed Boots, Welding Jacket, Welding Gloves, Skull Cap, and Shade 5 Cutting Glasses
- 2nd Year: Eye Protection, Long Denim Pants (no holes), Steel Toed Boots, Welding Jacket, Welding Gloves, Skull Cap, and Shade 5 Cutting Glasses
- 3rd Year: Eye Protection, Long Denim Pants (no holes), Steel Toed Boots, Welding Jacket, Welding Gloves, Skull Cap, and Shade 5 Cutting Glasses
- Items may be purchased through Commercial Miscellaneous Sales Uniontown, PA

## Certifications Offered

American Welding Society: Level I and Level II  
 NOCTI: PA Skills Certificate: Welding

## Student Organizations

Skills USA  
 American Welding Society

WELDING COMPETENCY TASK LIST		
1st Year (360 Hours)	2nd Year (360 Hours)	3rd Year (360 Hours)
Introduction to Welding (85)	Safety in Welding (20)	Safety in Welding (20)
Safety in Welding (85)	Gas Tungsten Welding (150)	Welding Joints and Symbols (140)
Shielded Metal Arc Welding (60)	Plasma Arc Cutting (70)	Welding Fabrication (80)
Gas Metal Arc Welding (70)	Filler Material and Other Welding Processes (120)	Welding Codes and Cost (60)
Flux Core Arc Welding (60)		Oxy Fuel Welding and Cutting (60)