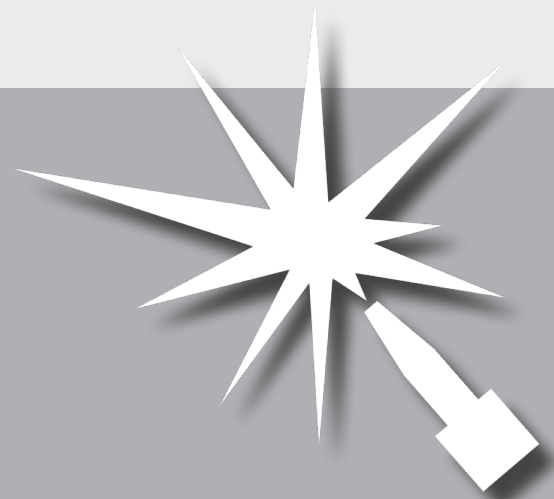


# WELDING

Sparks fly as you forge your path to a stronger tomorrow

Sculpt a fiery future in welding, the craft of fusing metal. Master industry-standard techniques and the art of joining, cutting, and shaping with precision. Gear up for a journey that flames your creativity, from understanding the basics to cutting through challenges. Unleash your creativity, transforming raw metal into works of art. Forge a red-hot path in the world of metalwork.



## What You Can LEARN

### Units of Study

- Safety
- Oxy Fuel Cutting (OFC)
- Weld Symbols
- Weld Prints
- Power Saws
- Shielded Metal Arc Welding (SMAW)
- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Flux Core Arc Welding (FCAW)
- Inspection
- Code Work
- Career Readiness
- Plastic Welding



## What You Can EARN

### Available High School Academic Credits

*At district request, students may earn:*

- English

### Licensing/Industry-Based Certifications

*Students have opportunities to earn:*

- OSHA 10 Construction

### Work-Based Learning

*Organizations that support this program:*

- Graham Manufacturing
- Mahany ARC and Flame Center
- PKG Equipment Inc
- Acro
- Patriot Towers
- Ramar Steel
- Boss Precision
- AJL Manufacturing



## Where You Can GO

### Career Opportunities

Minimal Requirement Beyond CTE

- Welder

Additional Education and/or Experience

- Inspector
- Robotic Welding Operator/ Programmer
- Metal Fabricator
- Construction

### Postsecondary Pathways

Articulation Agreements

- Alfred State

Now You Can **KNOW**

The New York State Department of Labor projects a 5.6% increase in welding jobs in the Finger Lakes region between 2018 and 2028.



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