

WELDING & METAL FABRICATION

Year 1- 3.0 Elective Credits and 0.5 Social Studies Credits

Year 2 - 2.0 Elective Credits and 1.0 Math Credit

ABOUT THE PROGRAM

In this program students will learn the fundamentals of Mig welding, Tig welding, stick welding, and other cutting-edge welding processes. Students will have opportunities to apply academic and technical skills in welding and metal fabrication and demonstrate creativity and innovation through individualized projects and practice. Students learn how to use SolidWorks to design and Plasma Cam to cut individual projects which can be fabricated and welded in the shop.

CREDENTIALS, CERTIFICATIONS, WORK-BASED LEARNING AND LEADERSHIP OPPORTUNITIES

Students have opportunities to earn certifications in various welding processes such as SMAW 3G 1" Plate. SkillsUSA competitions are available to interested students. In addition, students may earn an SP/2 safety certification, and participate in National Technical Honor Society.

PROGRAM OUTCOMES

Students who have successfully completed the program are able to immediately enter the job market (Hazelett's, Fab-Tech, PG Adams, Blodgett Oven). Students have also gone on to further their education in programs at Lincoln Technical Institute and Advance Welding Institute. Qualified students will have the opportunity to obtain industry approved welding certifications and participate in work-based learning opportunities and co-op placements with instructor approval.

OCCUPATIONS

- Pipe Welder
- Weld Inspector
- Equipment Sales
- Business Owner
- Underwater Welder
- Military
- Custom Fabricator
- Construction Worker

