

Career & Technical Education (CTE)

WELDING 1

Grades: 9-12

Credits: 0.5 Arts/CTE/2nd Language

Prerequisite: None

Repeat for Credit: No

Other: College credit may be available

This course emphasizes shop and personal safety around welding equipment. It includes instruction in MIG, Stick, and Oxy-Acetylene cutting processes, Plasma cutting, as well as an introduction into blueprint reading and welding-related math skills.

WELDING 2

Grades: 9-12

Credits: 0.5 Arts/CTE/2nd Language

Prerequisite: Welding 1

Repeat for Credit: No

Other: College credit may be available

This course builds on the coursework covered in Introduction to Welding as well as introducing some out of position welding, aluminum MIG and TIG welding.

WELDING 3

Grades: 10-12

Credits: 0.5 Arts/CTE/2nd Language

Prerequisite: Welding 2

Repeat for Credit: No

Other: College credit may be available

Metalworking courses introduce students to the qualities and applications of various metals and the tools used to manipulate and form metal into products. Through one or more projects involving metals, students develop planning, layout and measurement skills; gain experience in cutting, bending and/or welding metal; complete projects according to blueprints or other specifications; and may also learn to polish and finish metals. Correct use of metal working tools and equipment is stressed.

WELDING 4

Grades: 10-12

Credits: 0.5 Arts/CTE/2nd Language

Prerequisite: Welding 3

Repeat for Credit: Yes

Students continue to develop their skills to industry level quality. The primary focus of this class is pipe welding, structural steel welding procedures, and practice certification tests for the American Welding Society D1.1 structural steel.

