

Career and Technical Education Department

Welding

Senior High School



Arts & Communications



Business, Management Marketing & Technology



Health Science



Engineering/Manufacturing & Industrial Technology



Human Services



Natural Resources & Agriscience

VPAA – Meets Visual, Performing & Applied Arts Requirement

OLE – Meets Online Learning Experience Requirement

SMR – Senior Math Related

C - CTE Completer

21F – Course Available through Section 21F: Expanded Virtual Learning

*CAREER ZONES - Broad groupings of careers that share similar characteristics and whose employment requirements call for many common interests, strengths, and competencies.

CTE WELDING I (VPAA/SMR) – V420

11, 12

1.0 credits

Stevenson High School Only

This course is designed to provide students with technical skills in the areas of welding and cutting. This course is intended to develop safe, competent, welders according to the accepted standards of the industry. This program teaches the basic techniques required to perform ARC and MIG welding in all positions. Gas cutting, manual and automatic, is included. Students will also develop the basic skills in blueprint reading, welding symbols and fabrication.

CTE WELDING II (VPAA/SMR/C) – V430

11, 12

2.0 credits

Stevenson High School Only

PREREQUISITE: CTE Welding I

This course is designed to enhance the technical skills that are demanded in the welding industry. Students electing this class will advance their knowledge of welding codes, blueprint reading, welding symbols, and testing of welds (both destructive and non-destructive). Students will also become familiar with machine maintenance procedures. This program will teach the advanced techniques required to perform ARC, GAS, TIG, and MIG welding in all positions. Students will be required to design and fabricate a product of their choice to gain fabrication training. Successful completion of this course may qualify the student for articulated college credit.

*Course content may address skills pertaining to these potential Career Zones: *Engineering, Manufacturing & Industrial Technology*

PREREQUISITE: School to Work Coordinator approval, and completed or co-enrolled in CTE Welding II

This course offers students the opportunity to spend a portion of their school day working at a welding related training site in the community. This employment experience is related to the career goals of the student and is supervised by a school-to-work coordinator. The student will develop workplace skills and leadership traits in their chosen area of specialty. Evaluation of job performance and assessment of coursework is the responsibility of the STW Coordinator with input from the training site supervisor. This program adheres to all federal and state labor laws.