

# Career and Technical Education Department

## Welding

### Senior High School



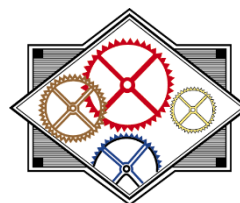
Arts & Communications



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*