

Summer Welding Program

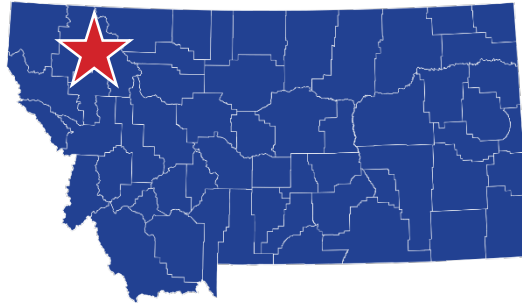
— Extended/Expanded Learning Opportunity

Columbia Falls Schools

Grades 6th-12th

Welding Program

Flathead County Montana



Program Description:

For over 10 years Columbia Falls School has been implementing an in-school Welding Program. Through the opportunity provided by the ELO grant, Columbia Falls is now able to offer their Welding Program to students in grades 6th - 12th in the summer months to extend the time students have to address learning loss due to Covid.

Participating students will learn CAD programming, how to read instructional plans, and the geometry concepts required to complete projects. Through community partnerships, students have learned about real-world applications and future job opportunities. For example, in past years students have had an opportunity to see railway staff complete onsite welding techniques, which is pictured below. Students also have an opportunity to continue their learning through the Flathead Valley Community College welding programs.

Columbia Falls Welding Program will use pre and post-testing to gauge the student's improvement in geometry, complex shape measurements, mathematical formulas, welding terminology, and welding software. Through hands-on learning and implementation of complex skills, students will have a better platform for future career development.



Student Gains:

- Students will be more engaged in the math content instructed during the program
- Students will receive support for academic and/or social emotional gaps that may be present due to Covid-19 related issues
- Students will create connections between the work they do during the program and possible career opportunities

ELO Application History
Summer 2024

Total ELO Funding
\$50,000

Community Partnerships
Flathead Valley Community College
Glacier National Park

Program Focus
Math

Estimated Student Participation

Anticipated # of students:
15 - 20

Anticipated Grade Levels:
6th - 12th

Anticipated Demographics:

Low-income, homeless
Anticipated # of students who are low-income qualifying:
10 - 12

