

Manufacturing

Today's manufacturing is a combination of engineering and technology around precision machining and welding. Creating parts and products may require you to program a Computer Numeric Control (CNC) machine, or it may involve plasma cutting and welding. You will learn various types of welds and cutting operations, as well as fabrication, quality control, and weld testing. In the capstone course students have the opportunity to work in a fully functioning high school business, Bay Link Manufacturing®, building parts for companies. This is a high demand pathway offering students opportunities in many different industries.

Career Opportunities:

CNC Technician, Fabricator, Welder, Project Engineer



SkillsUSA®



Potential to Earn:  1 Industry Certification  6 College Credits

Course Work in this Career Pathway

Middle School Career Exploration Course	Construction & Manufacturing Grades 7 or 8		
Intro-Level Courses	Intro to CAD Grades 9-12	Intro to Technology Grades 9-12	Metals 1 Grades 9-12
Specialized Courses	Metals 2 Grades 9-12	Welding/Shielded Metal Arc & Gas Metal Arc DC Grades 9-12 	
Capstone Courses	Bay Link Manufacturing® Grades 11-12 	Youth Apprenticeship Grades 11-12 	

BAY LINK MANUFACTURING 
A PARTNERSHIP LINKING EDUCATION AND MANUFACTURING