

A partial list of Arvin's equipment  
Inventory Includes:

### Machining Equipment

10 Clausing 15 inch Lathes

10 Clausing Knee Mills

2 HAAS VF2 Machining Centers

2 HAAS Turning Centers

Water Jet Cutter Center

### Welding Equipment

CNC Plasma Table

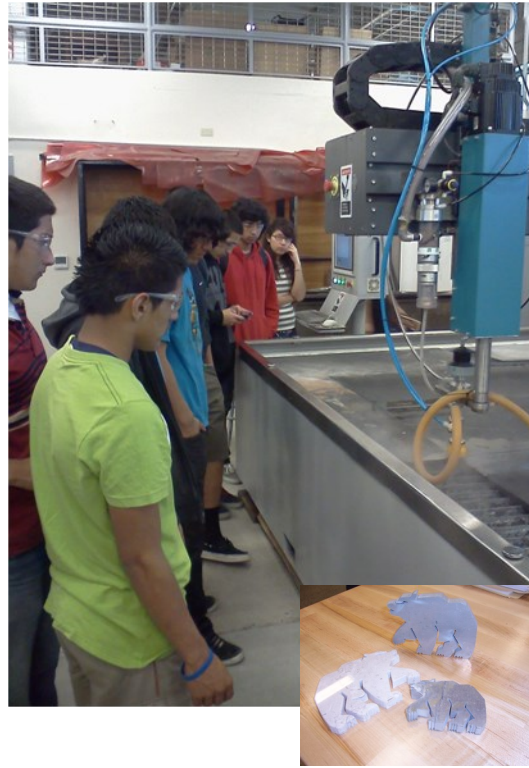
4 ARC Welding Stations

4 MIG Welding Stations

4 Plasma Stations

3 TIG Stations

8 GAS Welding Stations



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This pathway is open to all Arvin High School students and will not allow unlawful discrimination as described in federal and state laws.



**Manufacturing**



**Career Pathway**

Students will develop skills in welding, machining, bench and sheet metal trades.

Students will learn how to read and make blue prints as well as develop design skills.

Parts of this course will be centered around skills on the computer; other portions will be in the classroom and shop.

# Manufacturing 1

This introductory course is designed to familiarize students with the manufacturing technology relevant to metals and plastics. It is intended to be a two-semester course with no prerequisites. The course offers the student an understanding of the theories involved and practical experience through project construction in each unit area of the manufacturing occupational fields.



# Manufacturing 2

**Manufacturing 2** is an advanced course in manufacturing technology. It is a year long course and must be completed in the same school year (no enrolment at second semester) with the prerequisite being Manufacturing 1. The course offers the student practical experience in welding, industrial forming and machine tool operations. This course prepares the student for entry level positions, and future vocational training while giving the college bound engineering student great hands on skills.



# Manufacturing 3

**Manufacturing 3**: the capstone on the manufacturing series of courses designed to complete the manufacturing students' preparation in **Machining**, **Welding** and **Metal Forming**. A student completing this course should be prepared for entry level occupational careers and further study in the area of metals manufacturing and / or related vocational training.

This Pathway will prepare the student to take the National Institute for Metalworking Skills, Inc. Level I testing for certification in **Machining** and **Metal forming**. Students will also be preparing for skills testing in welding, as established by the American Society of Welders.

This **Career Pathway** will help support the growing demand for skilled manufacturing workers in Kern County as described by the Kern Employment Development and neighboring San Bernardino and Los Angeles Counties.