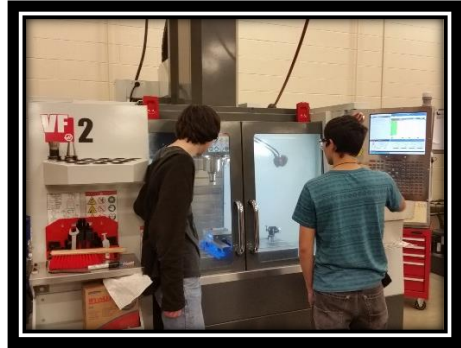
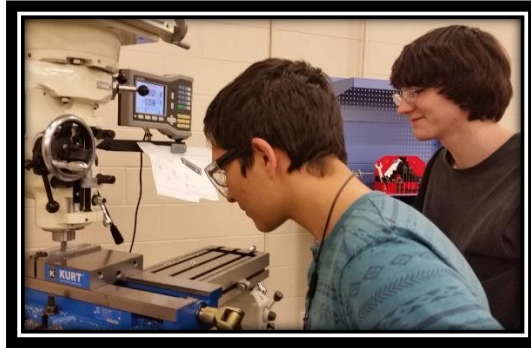


# Precision Metal Manufacturing I



**Prerequisite:** Principles of Manufacturing AND Algebra 1

**Course:** 1806CA/CB      **Credits:** 2      **Length:** 36 weeks      **Placement:** 10-12

## Course Description

Precision Metal Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems. This course may also address a variety of materials in addition to metal such as plastics, ceramics, and wood. Students develop knowledge of the concepts and skills related to these systems to apply them to personal and career development. This course supports integration of academic and technical knowledge and skills. Students will learn to use equipment such as manual lathes and milling machines as well as larger CNC machines to create parts and objects.

## Student Activities

Students will be instructed in the following areas:

- Machine Safety
- Precision Measurement
- Machine Tools
- Milling Operations
- Lathe Operations
- Use of materials from steel to aluminum to plastics.

## Organizations/After School/Competition



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