

General Course Information

Course Name: Metals I	
Department: Technology & Engineering	Grade Level(s): 9-12
Duration/Credits: 1 semester/ .5 practical art credit	Prerequisites: none
BOE Approval Date:	Course Code H4050
Course Description:	
Metals I provides students the opportunity to explore metalworking basics, with an emphasis on safety and tool usage. Students in level I will be introduced to tools, finishing techniques , materials, and processes through the completion of individual projects.	
Course Rationale:	
Metals I develops students' ability to work both collaboratively and independently to problem solve. Students in Metals I develop basic metalworking techniques, learn the importance of following directions, and strategies for follow-through and project completion.	
Course Objectives:	
<ul style="list-style-type: none">• The student will read and apply safety protocols for techniques and equipment in the metalworking shop environment (A+ Reading).• The student will use a range of appropriate tools safely and effectively to complete metalworking projects.• The student will write and follow plans for metalworking projects (A+ Writing).• The student will research and follow designs for individual projects (A+ Research).• The student will work independently and collaboratively to complete projects and to give and receive constructive feedback. (A+ Speaking and Listening)• The student will maintain a safe and clean working environment.	
Standards Alignment:	
List standard set(s) to which course has been aligned	