



Three Rivers School District

PLANNED COURSE STATEMENT

Course Title: Intro to Manufacturing	Grade Level(s): 6,7,8
Length of Course: Quarter	Required/Elective: Elective
Adopted/Supplemental Materials: N/A	

Offered at:	Applegate	Fleming X	Lincoln Savage X	Lorna Byrne
--------------------	-----------	-----------	------------------	-------------

COURSE DESCRIPTION:

This course is an introduction to the manufacturing course that is a semester long. This class employs integration of design, fabrication, and analysis of projects ranging from simple to complex. Students will work individually and as part of small groups. Appreciation for and application of safe working habits are the first priority. Students will be working with woods and metals.

COURSE GOALS:

Students will:

1. Develop introductory drafting skills, producing working drawings, that are sufficient to facilitate manufacture of their products.
2. Demonstrate the ability to select correct tools for various applications and proper use of per and hand tools to manufacture assigned and chosen projects.
3. produce computer generated and verbal reports which will be presented to the instructor and the class describing the student's thoughts, procedures, intentions, safety practices, and evaluation for each project.
4. Identify interests developed during this class that guide future pursuits of woodworking and metal fabrication career opportunities.

ASSESSMENT STRATEGIES:

All projects are evaluated by students and instructors. Consideration is given to drafting, manufacture, and final report related to a classroom standard provided as an example. Several projects will be of a nature to facilitate measurable performance (cars, boats, tops, airplanes, etc).

ACCOMMODATIONS AND MODIFICATIONS:

All projects assigned by the teacher or selected by students accommodate a wide range of potential levels of difficulty. Self-paced progress, variable levels of difficulty, and group undertakings provide for a wide range of student capabilities.

CAREER RELATED LEARNING STANDARDS:

The nature of this woodworking and metals class promotes career evaluation. Students will begin to identify their interests in using tools, engineering solutions, and evaluating quality workmanship.