



**Ephrata High School
Course Syllabus**



**Wood Technology
5935**

I. Course Description

Wood Technology is an exciting hands-on course designed to educate students about basic woodworking tools, power equipment, joinery, design, safety, assembly, and finishing along with the study of the physical characteristics of wood and how they affect the final product. Students will develop, design, produce, test, assess, and problem solve solutions to their own individual projects that may include a shaker style side table or other small furniture. There is a lab fee of approximately \$20.

II. Materials & Equipment

Various species of wood, Hand tools, Measurement/ Layout tools, Small and large power tools, Paint/ stain and other types of finishes.

III. Course Goals & Objectives

At the conclusion of this course, students will be able to: measure, layout and cut wood to a specific size; know various wood joints and what gives them their strength; safely construct a small piece of finished furniture.

IV. Course Topics (Summary Outline)

Technology, Measurement, Layout, Safety, Parts of a tree, Wood joinery, Wood machining processes, Wood finishing processes

V. Assignments & Grading

This class will consist largely of class participation grades as well as skill level and accuracy of construction on the student's major class project.