

Essential Learning Goals for:

Furniture Design

(Pre-requisite for Furniture & Cabinetry Fabrication)

Students will...

- utilize hand tools for cutting, scraping or planing of stock for a project.
- apply math skills to control distance, spacing &/or angle measurements and placements for constructing a project.
- utilize portable power tools to construct a project. These include the belt sander, router, hand drill, power plane, finish sander, nail guns, circular saw, and the reciprocating saw.
- utilize machines to construct a project. These include the sliding miter saw, jointer, planer, table saw, dado saw, band saw, drill press, shaper, combination sander, spindle sander, wood lathe, scroll saw, and bench grinder.
- perform the steps to interpret, transfer and layout lines &/or markings to be used for constructing a project.
- construct a project, incorporating the elements & principles of design as related to traditional styles in history.
- select and perform “best-method” joinery and assembly of project components.
- apply a quality finish on projects utilizing appropriate techniques, materials, and equipment.
- demonstrate an understanding of OSHA and local regulations for personal safety, including utilization of PPE, safe use of tools & equipment, and safe handling of hazardous materials.