

Outline

Wood work 10 to 12

BIG IDEAS

Social, ethical, and sustainability considerations impact design.	Complex tasks require the sequencing of skills.	Complex tasks require different technologies and tools at different stages.
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The goal of this course is to enable you to develop general skills that can be applied to the construction of products. The course will primarily use wood, but the design, and many of the fabrication skills will be applicable to other materials.

Through the design process the big ideas listed above will be incorporated into the course. During the ideating stage of design the greater impacts of the project must be considered. Once this is done, the planning stage incorporates the sequencing processes of how the product will be made, this will include making plans, and detailed construction sequence. After the prototype is made, then it will be evaluated to see how the original goal for the projects have been met.

Shop safety and safe operation of tools and machines

There will be videos, assignments and demonstrations dealing with the safety within the shop environment. These assignments are assessed on a pass/fail basis, in order to pass the assignments you must achieve an 80%. The assignments must be passed in order to participate in the course. You may rewrite the assignments until the passing mark has been achieved. There will also be a safety final, which follows the safety review. This will count for 20% of the final grade.

Safety will be assessed throughout the course. Any safety rule violations will result in 2% being deducted from your final grade. If more than three safety violations occur you will need to rewrite the safety assignments, and will not be allowed to continue until they are completed.

In general a project will consist of 3 segments, skill building projects, project design and evaluation and finally final finished project.

Topics of study

Wood carving

Jewelry making

Joinery project

Design challenge projects

