# Unit 5 - Capstone Project

Content Area: **Arts**
Course(s): **Wood Arts Tec 2**
Time Period: **Semester 2**
Length: **4 Weeks**
Status: **Published**

## Standards

| | |
|---|---|
| 1.5.2.Cr | Creating |
| 1.5.2.Pr4a | Select artwork for display, and explain why some work, objects and artifacts are valued over others. Categorize artwork based on a theme or concept for an exhibit. |
| ED | Engineering Design |
| ITH | Interaction of Technology and Humans |
| NT | Nature of Technology |

## Enduring Understandings

1. The Art and Engineering design process requires planning and prior knowledge and skills to create a project of quality.

2. Creating a project for display and selecting work to be displayed should be of high quality with minimal mistakes.

3. Products created should have a purpose and be designed for their interaction with humans.

## Essential Questions

1. What does this project say about your abilities and skills?

2. How does this project interact with humans and what impact will it have on the user?

3. What new knowledge and skills are needed to complete the project creation?

## Knowledge & Skills

Capstone Project Students will be able to:

- Apply the art and engineering process to design and create a product or art and function.
- Apply prior lessons on shop safety to work within the shop space.
- Choose a project that suits their personal preference and highlights their individuality.
- Identify the natural materials needed to create the project.
- Utilize Joinery and tooling methods to shape natural materials.

- Brainstorm and practice new tooling techniques required to complete the design.

## Resources

Resources:

- Wood working plans
- Lumber
- Machines
- Tools
- Jig and Fixtures
- Clamps
- Adhesives
- Hardware and Fasteners
- CNC Machine Access

## Transfer Goals

1. Students will be able to evaluate their skills and abilities that need improvement to hone their woodworking and creation skills.

2. Students will be able to use the design process to create a product that is suitable for the user and balances form and function.

## Assessments

Assessments

## Modifications

Modifications