Unit 5 - Recycled Materials

Content Area: **Arts**
Course(s): **Wood Arts Tec 1**
Time Period: **Semester 2**
Length: **5 Weeks**
Status: **Published**

Standards

1.5.2.Cr2c	Create art that represents natural and constructed environments. Identify and classify uses of everyday objects through drawings, diagrams, sculptures or other visual means including repurposing objects to make something new.
8.2.2.ITH.2	Explain the purpose of a product and its value.
8.2.2.ETW.3	Describe or model the system used for recycling technology.
8.2.2.ETW.4	Explain how the disposal of or reusing a product affects the local and global environment.

Enduring Understandings

1. A product's design should plan for its disposal to have a minimal impact on our world.

2. Repurposing waste can help slow climate change and

3. Many building materials today are waste items that have been redesigned to be fit for construction.

Essential Questions

1. How does waste affect our society?

2. What types of joinery can be found on repurposed construction materials?

3. How can we reduce waste as a community?

Knowledge & Skills

Recycled Materials Students will be able to:

- Create a product using waste material.
- Use joining techniques to create larger parts from small waste items.
- Identify Joinery in woodworking.
- Explain how waste impacts our environment.

Joinery:

- Butt Joints

- Miter joints
- Biscuit Joints
- Dowelled Joints
- Mortise & Tenon Joints
- Finger joints
- Tongue and Groove Joints
- Lap Joints

Resources

Resources:

- Shorts - Scrap Boards
- Doweling Jig
- Router bits for finger and tongue and groove joints
- Miter Saw
- Dado Blade for Lap Joints
- Glue, and Clamps
- Hand Tools
- Machines
- Fasteners

Transfer Goals

1. Students will be able to reduce waste by creating a product with a purpose.

2. Students will be able to identify Joinery methods and apply them to projects.

Modifications

Modifications

Assessments

Assessments