Unit 1 - Shop Procedures

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

Standards

1.5.2.Cr1a	Engage in individual and collaborative exploration of materials and ideas through multiple approaches, from imaginative play to brainstorming, to solve art and design problems.
9.4.2.CT.3	Use a variety of types of thinking to solve problems (e.g., inductive, deductive).
1.5.2.Cr2b	Demonstrate safe procedures for using and cleaning art tools, equipment and studio spaces.
8.2.2.ED.3	Select and use appropriate tools and materials to build a product using the design process.
8.2.2.ITH.4	Identify how various tools reduce work and improve daily tasks.

Enduring Understandings

1. Shop safety required personal protective equipment and daily inspections and maintenance.

2. General shop etiquette is to clean after oneself and return the machines back to their original positions.

3. Building a project using machines vs hand tools is an effective way to save time and achieve precision.

Essential Questions

1. What are the main causes of shop accidents?

2. How can machines and tools improve tasks?

3. How do you know which tool or machine to select for a process?

Knowledge & Skills

Shop Procedures Students will be able to:

- Identify and select the safe machine or tool for a shaping process
- Maintain machines and shop equipment.
- Recognize hazards within the shop.
- Create a project using machines to refresh knowledge of machines and tools.

Machines / Tools:

- Table Saw
- Radial Arm Saw
- Band Saw
- Miter Saw
- Sanders
- Mortiser
- Drill Press
- Router
- Coping Saw
- Files

Resources

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- Lumber
- Machines
- Tools
- Safety Sheets
- PPE

Transfer Goals

1. Students will be able to identify safe shop procedures and utilize machines to improve tooling processes.

2. Students will be able to choose a machine or tool that works best for them to complete a tooling process safely.

Assessments

Assessments

Modifications

Modifications