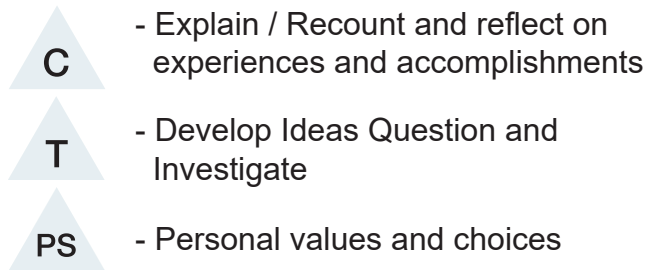


LESSON FIVE

LAMINATING

Core Competencies



Big Ideas

Complex tasks
require the
acquisition of
additional skills

Complex tasks
may require
multiple tools
and technologies

Curricular Competencies

- Develop a plan that identifies key stages & resources.
- Record iterations of prototyping.
- Identify & use appropriate tools for production.
- Use materials in a way that minimizes waste.
- Demonstrate an awareness of safety.
- Identify criteria for success

Content

- Woodworking techniques.
- Options for reuse of wood & wood products.
- Traditional and non traditional joinery

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MATERIALS

- Info / process safety booklet
- 2 wood boards and scrap piece with reference edge
- Wood glue
- Clamps

ASSESSMENT

- Questions answered in process booklet
- Safety questions answered
- Lamination process.
- Appearance of lamination.

STRATEGIES

- Display class plan.
- Use visuals & graphics.
- Simplify sentence structure.

LESSON THREE

LAMINATING

OBJECTIVE

- Students will demonstrate knowledge of safe working habits.
- Students will demonstrate lamination skills by laminating their wooden boards to scrap board appropriately.

OVERVIEW

- This lesson will introduce the students to laminating wood together. They will learn about; wood glue, application of wood glue, and clamping to join their wood pieces together.

Attendance	- Check to make sure students are in attendance.	TIME 5
Warm up	- Review class agenda (on board) <ul style="list-style-type: none"> - Introduce wood glue - Demonstrate lamination process - Fill in process and safety booklet - Student work time - Clean up - End of class check in 	10
Presentation	- Introduce wood glue <ul style="list-style-type: none"> - Properties - Safety - Demonstrate laminating process <ul style="list-style-type: none"> - Flat / level reference edge - Alternating wood grain - Application of glue <ul style="list-style-type: none"> - Amount to reduce waste - Clamping - Curing time - Fill in safety sheet info - Fill in process booklet	20

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NOTES

WOOD GLUE -
An adhesive used to hold wood together.

LAMINATION -
laminate is a permanently assembled object by heat, pressure, welding, or adhesives.

CLAMPING -
Hold (something) tightly against or in another thing.

CURING -
Process during which a chemical reaction (such as polymerization) or physical action (such as evaporation) takes place, resulting in a harder, tougher, or more stable linkage (such as an adhesive bond) or substance (such as concrete).

LESSON THREE

LAMINATING

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Practice

- Students will now have class time to begin laminating their 2 boards and scrap wood piece together.
 - The two pre cut pieces should be on the outside while the scrap is sandwiched in between.
- Connect verbally with all students & discuss any questions or concerns that come up.

TIME

30

Clean up

- Students will store their projects in cubbies
- Students will return tools to their proper locations.
- Students will clean up their workstations and lamination areas;
 - Clean off work bench
 - Sweep up the floor
 - Misc. Housekeeping jobs

10

Reflection

- Review students progression
- Inform students about what is happening next class: (Layout continued)

5

80

NOTES