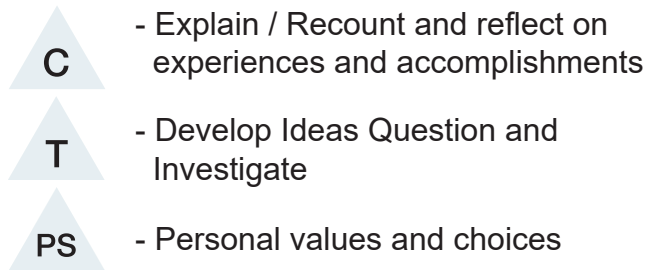


LESSON SIX

SANDING

Core Competencies



Big Ideas

Complex tasks
require the
acquisition of
additional skills

Complex tasks
may require
multiple tools
and technologies

Curricular Competencies

- Make changes, troubleshoot and test again
- 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.
- Identification characteristics and properties of a variety of woods.

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MATERIALS

- Info / process safety booklet
- Wood Base
- Various grit sandpaper
- Sanding blocks
- Sanding mats

ASSESSMENT

- Questions answered in process booklet
- Safety questions answered
- Board clear of imperfections
- Explain when to use different grits.

STRATEGIES

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

LESSON SIX
SANDING

OBJECTIVE

- Students will learn about sandpaper
- Students will demonstrate the steps to successfully sand their projects; Different levels of sandpaper, Sanding with the direction of the grain.
- Students wood boards will be free of imperfections.

OVERVIEW

- This lesson will introduce the process of sanding. The students will learn about the different grits of sandpaper. Sanding with the direction of the grand, as well as removing imperfections.

Attendance	- Check to make sure students are in attendance.	TIME 5
Warm up	- Review class agenda (on board) <ul style="list-style-type: none">- What is sandpaper- Demonstration of sanding- Grit feel test- Fill out process and safety booklet- Student work time- Clean up- End of class check in	10
Presentation	- What is sandpaper <ul style="list-style-type: none">- What is it made of- What do the grit numbers mean? - Demonstrate sanding <ul style="list-style-type: none">- Sand in direction of grain- Remove scratches and cut marks- Touch on safety when sanding - Grit feel test <ul style="list-style-type: none">- Have a different level of sanded wood on work benches.- Have the students put their wood sample in order from lowest to highest grit. - Fill in safety procedure sheets	20
	- Fill in process booklet	

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NOTES

PREPARE-
Prepare little samples of wood that are all sanded up to various grits and hand out to tables. Label with misc. markings on back to make sure there is no confussion.

LESSON SIX
SANDING

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Practice

- Students will now have class time to begin sanding their wooden base.
 - Students should start at 320 grit and work their way up to 150.
- Connect verbally with all students & discuss any questions or concerns that come up.
(If students need more time, the next block of class will also be dedicated to sanding.)

TIME

30

10

Clean up

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

5

Reflection

- Review students progression
- Inform students about what is happening next class: (Sanding / Finishing)

80

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NOTES