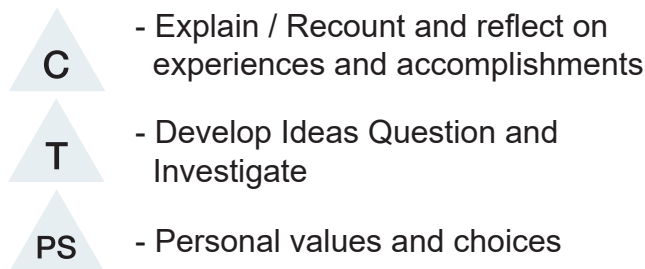


LESSON FOUR

STOCK BREAKOUT

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.
- Demonstrate an awareness of safety.
- Make changes, troubleshoot & test again.
- Identify & use appropriate tools for production.
- Identify criteria for success.

Content

- ID, characteristics & properties of a variety of woods.
- Wood working techniques

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Chris Morris

Grade 8

ADST Woods

February 2, 2016

MATERIALS

- Info / Process Safety Booklet
- Jack Planes
- Carpenters square
- Practice Blocks
- Wooden Base

ASSESSMENT

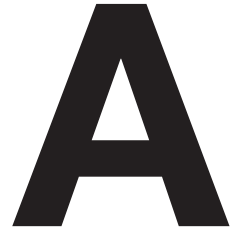
- Questions answered in process plan booklet.
- Accuracy of planing
- Demonstration of safe practices.
- Shop clean up

STRATEGIES

- Give clear directions.
- Use visuals & graphics.
- Display class plan.
- Small group work.

LESSON FOUR

STOCK BREAKOUT



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OBJECTIVE

- Students will learn the process / importance of stock breakout
- Students will practice using a jack plane.
- Students will create a reference edge on wooden base.

OVERVIEW

- This lesson will introduce the process of stock breakout. The students will experiment using a Jack Plane to create a reference edge. When successful students will move onto creating reference edges for their wooden base.

Vocabulary

- Vice
- Jack Plane
- Carpenters Square
- Reference Edge
- Stock breakout

Prepare

- Cut practice blocks
- Check Jack Planes

*** Students will receive an additional 50 minutes next class to work on planing.**

		TIME
Attendance	- Check to make sure students are in attendance.	5
Warm up	- Review class agenda (on board) <ul style="list-style-type: none"> - Demo Jack Planing - Review Safety - Practice Planing - Create reference edge on base 	10
Presentation	- Demonstrate to the students how to plane a piece of wood. <ul style="list-style-type: none"> - Parts of Jack Plane - Create reference line - Holding the wood - Cutting technique - Safety concerns - Students will fill out process booklet.	30
Practice	- Students will now have in class time to practice planing. - If successful in planing, students can move onto creating a reference edge on their base (If students need more time, the next block of class will also be dedicated to planing).	15 *
Reflection	- Review students progression - Clarify any questions - Shop clean up	20

NOTES