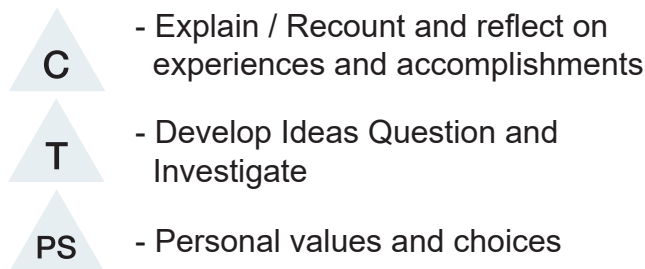


LESSON THREE

SAWING

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

- Elements of plans and drawing.
- Woodworking techniques.
- Options for reuse of wood & wood products.

A

Chris Morris

Grade 8

ADST Woods

MATERIALS

- Info / process safety booklet
- 2 Precut wood planks
- Scrap wood
- Measuring Tape
- Square
- Handsaws

ASSESSMENT

- Demonstration of safe practices.
- Accuracy of three cuts to 1/4".
- Straightness of cut
- Info filled out in process & safety sheets.

STRATEGIES

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

LESSON THREE

SAWING

OBJECTIVE

- Students will demonstrate knowledge of safe working habits.
- Students will demonstrate their sawing skills by cutting wooden planks and scrap lumber to desired demensions with appropriate tools & accuracy.
- Students can explain ways in which to reduce waste with their project.

OVERVIEW

- This lesson will introduce the students on how to safely & correctly cut using a handsaw. The planks and scrap wood will be cut down to dimension and will be used as the base board for their string are project.

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 the handsaw - Demo how to use the handsaw - Write down safety in booklet - Student work time - Clean up - End of class check in 	10
Presentation	- Introduce the handsaw; <ul style="list-style-type: none"> - Why are we using it - Characteristics (crosscut) - Demonstrate how to safely & effectively use the handsaw; <ul style="list-style-type: none"> - Clamping (vise) - Stance - Cutting lines (waste side) - Fill in safety sheet information	20
	- Fill in process booklet	
	- Discuss reusing scrap wood; <ul style="list-style-type: none"> - Students will choose a piece of scrap wood. 	



Chris Morris

Grade 8

ADST Woods

NOTES

HANDSAW -
a wood saw
worked by one
hand.

CROSSCUT -
cut wood across
its main grain or
axis.

WISE -
a metal tool with
movable jaws that
are used to hold an
object firmly in
place while work is
done on it, typically
attached to a
workbench.

WASTE SIDE -
cutting on the side of the
line that is to be
removed to gain a more
accurate cut.

- * Prep for wood blanks
 - 3/4' thickness
 - 12" length
 - 3" width

LESSON THREE

SAWING

A

Chris Morris

Grade 8

ADST Woods

Practice

- Students will now have class time to begin sawing their 2 wooden planks and scrap wood piece.
- 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 sawing.)

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 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: (Sawing continued)

5

80

NOTES