NAME:	Class Period:

Shop & Machine Safety Guided Notes

General Shop Safety

tor

General Machine Rules

(these apply to all machines)

 Only operate mach 	ines withon.
	are in position and
Stay out of	zones.
• Only	at a time.
	theat a time.
	_ turns and the machine, no one else.
 Machine needs to 	be abefore use.
 Never leave a macl 	nine while it is still running or
 Adjustments are m 	ade with the machine OFF and
Never cut lumber v	within it. (Like staples or screws)
 Allow cutters to 	before removing scraps from machine.
 Listen to the mach 	ine.
speed (about 10 se • Wood shoul	econds) d be placed t the and
thar	ough cut lumber to a length n needed. This happens before planing the rd to thickness. Used for

Planer

SAFETY RULES:

- Minimum board length: Longer than the distance between the in-feed & outfeed rollers (______)
- Do NOT pass your hand past the _____ table.
- Do not remove more than
 at a time.



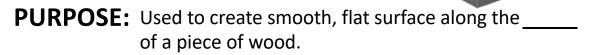
PURPOSE: Used to make the surface of a board _____ and ____ . Also cuts wood to the desired thickness, while creating parallel surfaces.

NOTE: This is the _____ & ____ steps in the squaring process.

Jointer

SAFETY RULES:

- Use push stick when _____
 than the fence.
- Keep board tight against _
- Never joint _____ board length 12"
- Maintain 5-4-5



NOTE: This is the step in the squaring process.



Table Saw

CV	ry F	1119	EC.
JH		VUL	LJ.

SAFETT NOLES.	
Make adjustments with the	& blade
 Be sure all guards are in place. 	
Saw blade must be set	above the wood to be cut.
• <u>Do not</u> cut boards that are less than	n
• only, <u>do not</u> crosscut.	
• Use a push stick to maintain 5-4-5.	
 Allow motor to reach full speed. 	Saviston
• Lock into position.	
• Place of board aga	inst fence.

Table Saw

Miter

Gauge

• Maintain with board until it passes the blade & .

SAFETY RULES: the blade.

- When the fence and blade are closer than 6" a push stick used.
- Any special set-ups or cuts <u>must</u> be approved by the instructor.
- Free hand sawing is _____ forbidden.
- When cutting is completed, turn off the power and <u>do not</u> leave until the saw has come to a complete stop.
- <u>Do not</u> attempt to stop a _____ blade.

• <u>Do not</u> re	move until the blade has stopped.
PURPOSE:	Used mostly to boards to the correct size. (RIP= cut with the grain) Can also make cross cuts with the
	NOTE: This is the step in the squaring process.

Miter Saw

SAFETY RUL	ES:			
Keep hands	(5-4-5) fror	m the path of	f the blade.	
• <u>Never</u> yo	our arms when cut	tting.		
• Before cutting,	clear all scraps from	om the	plate	
• Before cutting,	check and a	ngle into plad	ce.	
• HOLD board	to the TABLE	and FENCE .		
Only cut when	the blade has	full spe	eed.	
Return the saw	to the	after eac	h cut.	FUEL
•	e slide for cutting, aterial. (<u>to</u>	•	ush the blad	e
PURPOSE: so	sed for cross cutt quare both ends c leasure & cut to l	of a board. Cu	it one end sq	
	OTE: This is the _ength) steps in the			(Square other end to
	Pa	nel Sa	w _	
SAFETY RUL	ES:			
• Make sure	the board is_		15	
against the			,4,	E S
 Make sure position be 	efore using.	into	B	
 Hold the had cut with a 	andle with a fi feed.	rm grip an	d	
 Always cut 	from to _	·		
	cut remove th al and return t n.			
	ve the machin complete stop		as	
PURPOSE:	Used for cut used for boa Saw	ards that		and panels, for the

Shapers

SAFETY RULES:

- Before making adjustments, make sure the power is off & the knives are
- Before turning the shaper on, remove all tools, loose accessories and boards.
- Make certain the fences and are secured in their proper places
- Examine the stock carefully before shaping. Make sure it is free from defe <u>DO NOT</u> shape knots, or _____ material.
- Maintain a ___ margin of safety. (5-4-5)
- Always run the material through the shaper from _____ to ____.
- While shaping, <u>DO NOT</u> the board out of the knives.
- After shaping is complete, turn off the power and allow the shaper knives to come to a complete _____ before cleaning off chips and/or leaving the shaper.
- Always use a _____ or ____ when possible

PURPOSE: Used to cut _____ into the edge or end of a board.

Router Table Router Table

SAFETY RULES:

- Make _____ with the power off & router stopped. Make
- Maintain a 6" margin of safety. (5-4-5)
- Router from _____ to ____.
- Do not router too fast or too slow.
- When routing is completed, turn off the power and allow the router to stop before cleaning or the machine.
- Use a push stick when need to maintain a safe distance
- Hold Board tight against _____ and ____ or _____ bearing.

PURPOSE: Used to cut _____ into the edge or end of a board.

Wide Belt Sander

SAFETY RULES:

- Dust ____ must be on during use.
- Minimum board length:
- Keep hands away from pinch points (Conveyor belt and rollers).
- Do NOT overlap boards.
- Only remove _____ each pass.
- Use ____ adjustment knob for small adjustments.



PURPOSE: Used to sand stock flat and to a specific

______. Can sand both with and across the grain. (i.e. Face frame)

Horizontal Belt Sander

SAFETY RULES:

	Before using: check for & report any or loose sandpaper. Allow sander to obtain full speed before using it.
	Turn on switches
	Belt and (up and down).
•	Maintain fingers a safe distance from sanding belt.
•	Sand with pressure.
•	Never sand material that may jam between the belt and table.
•	Hold the material on the table when sanding.
•	Always sand by moving the stock into () the rotation of the sanding belt.

PURPOSE: Used for trimming to a scribed line, sanding rough surfaces, and freehand _____ and shaping.

Spindle Sander

SAFETY RULES:

- Sand _____ the rotation
- Maintain a safe distance from Sandpaper.
- Remove on "- "
- Do not use _____ pressure
- Hold material ____ against the table



PURPOSE: Used to sand _____ CORNERS of an

object.

Disc Sander

SAFETY RULES:

- Hold material ____ against the table
- Maintain a safe distance from Sandpaper.
- Sand on _____ side of disc.
- Remove on 1/8"-____"
- Do not use _____ pressure
- Use a clamp for sanding ______
 boards.



PURPOSE: Used to smooth material, especially on curves. Can be used to remove **small** amounts of material.

Drill Press

SAFETY RULES:

- Drill bits are SHARP & (can be)
- Hold or _____ board securely
- Always use a _____ board
- Always Remove
- If you loose control of your board or board begins to rise up:
 - 1. Keep _____ down
 - 2. Turn machine off



PURPOSE: Used for drilling holes (one hole at a time)

Horizontal Boring Machine

SAFETY RULES:

- Maintain a safe distance from _____ mechanism and bits (5-4-5)
- Allow motor to be at full speed before use
- Step on _____ to clamp & drill. ____ when holes have been drilled.



PURPOSE: Drills holes used for a join	nt.
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Band Saw

SAFETY RULES:

- Guard: Set _____" above material
- Avoid the ____ of the blade.
- Stop blade before backing out of a ____ cut.
- Use ____ cuts on curves.
- Remove scraps when blade is _____ stopped.



PURPOSE: Primary purpose is to make _____ or ___ cuts. Not intended to cut to an exact size.

Pneumatic Nail Gun

SAFETY RULES:

- Always keep Nail gun pointed in a ____ direction.
- Keep fingers at least 5-4-5 away from the area where the ____ comes out.
- Do not shoot nails into work _____.



PURPOSE: two objects together using nails.