<u>Lathe</u>		
User:	_	
Instructor:		
Date:	_	
Pass: Sent for more	training:	
Knowledge Check		
User can find and point ou	t the following tool featu	res
☐ On/off switch	☐ speed control	□ headstock
☐ Tailstock	☐ Tool rest	
Personal Protective Equip	nent	
☐ Demonsterates knowledg	e of what protection should	d be worn
A: Face shield		
$\square$ Should gloves be worn?		
A: Better not to, although sor jobs. We should discourage	•	hands from flying chips which can get painful on long for experienced users.
Safe Operation		
User:		
☐ Demonstrates loading wo	od on the spur drive	
live center in the other end, a tailstock in two places, both t	and move the tailstock up to the sliding tailstock lock on is in two stages, first slide t	o on the headstock using a hammer. Should place the o press the wood correctly between. Must fasten the the bed and the spindle lock keeping the handwheel the tailstock into place and tighten it, then turn the lock the spindle.
$\hfill \square$ Knows how to adjust the t	ool rest appropriately for the	ne workpiece
•	ise be quite close to the wo	or twice once it's loaded, to ensure it doesn't hit the tool orkpiece, $\frac{1}{4}$ " or $\frac{1}{2}$ " at the closest point. Toolrest should the lathe.
$\hfill\Box$ Knows how to address the	e workpiece with a cutting t	tool
•	-	Places the tip of the tool on the toolrest and holds it the toolrest edge. Lowers the tool handle to raise the

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tip, and moves the tool gently onto the workpiece, letting the bevel rub before slowly raising the handle to lower the tip and make a cut.
$\square$ Knows how to sharpen the chisels and how to tell when they need sharpening
A: [not sure where the grinder is at AMT currently, a recent workshop user should fill this in] Tilt the tool up towards the edge of the grinding wheel so the wheel turns from the sharp edge towards the middle of the tool, not towards the sharp edge. Be careful to retain the existing bevel. Don't burn the metal, keep it moving on the grinding wheel. Frequent small sharpening is better for the tool and better for the project.
☐ Understands the basics of speed control
A: The larger diameter the wood on the lathe, the slower the RPM. The outside of the wood travels faster than the inside of the wood as it has farther to go.
Allowable Materials
$\square$ Can state 3 requirements of the wood that is used on the latheA: 1. Wood only - advanced users can use
wood impregnated with resin. 2. No metal in the wood. 3. No super cracked or soft or decaying or extremely
irregularly shaped wood, it can break while spinning and fly off and hit someone

## **Default Configuration**

Lathe should be left with the spur drive in the headstock and the live center in the tailstock. Speed control should be set to 0 and power switch to OFF. Instructor shows

- Locations of cutters and accessories
- Location of grinder