Teaching Notes - Jointer

Time Needed 1:15 (Do checklist as part of demo)

Jointer Checklist Demo Video (16:27)

1. Classroom: Purpose of the machine: *What does a jointer do?*
	1. Make faces flat
	2. Make edges flat
	3. Make edge-face square
	4. Video: Watch first 1-2” of *Tuning a Jointer*
2. Lab: Review Parts & Adjustments
	1. On/Off/Disconnect
	2. Guard
	3. Cutter head, Knives
		1. Height of knives must be = (use wood block to Demo ¼” of movement
	4. Infeed/Outfeed
	5. Essential that they be in the same plane
		1. Adjusting
		2. Too High = Taper
		3. Too Low = Snipe
	6. Setting the outfeed
	7. Fence
		1. Demo Tilt, Squaring, Front to back motion
	8. Rabbeting Table
3. Operations:
	1. Face jointing
		1. Grain orientation
		2. Set depth of cut
		3. Using Push Blocks
		4. Dealing with twist
		5. Thin stock! (must be >3/8”)
	2. Edge jointing
	3. Grain orientation
	4. Hand Pressure
	5. Speed
	6. Tearout
	7. Marking adjacent faces
4. Oliver – review parts; demo Suvamatic
5. Additional Operations
	1. Bevel/Chamfer
	2. Tilt fence Forward/Backward (Advantages/Disadvantages)
	3. Use a bevel for accuracy
	4. Rabbeting
		1. Remove guard
		2. Set depth of cut
		3. Adjust Fence
		4. Pre-kerf stock?
	5. Tapering
		1. Partial
		2. Full - 2 step (Steven’s method)
6. Misc
	1. Safety-Proper finger placement
	2. Stance – esp. long lengths
	3. Min Length (12” – 4/12 rule; 16” preferred)
	4. End Grain & Relishing
	5. Plywood
	6. Watch out for knots and fasteners!
	7. **Leave machine guarded and set for 1/32” when finished**



1. Review Checklist for understanding
2. Review Exercise criteria