

Teacher Project / Lab Review Checklist

Machines, Hand Tools, Demos – What to Focus On, Materials – Safety Concerns

Tool	Operation – check for	Maintenance – tune up needs	Spare parts – what you should have on hand
<p>Scroll saw Cutting platform and body parts</p>	<p>Blade tracks straight in the material No burned edges from small radius corners Hold down is no more than 6 mm above the work piece table is square to blade and tight Saw dust cleaned out Secured to bench top – even if clamped</p>	<p>Change blades when dull Wax table top for less resistance when guiding wood through</p>	<p>Blades – pin on non pinned 6 – 12 tpi</p>
<p>Band saw Cutting platform and body parts</p>	<p>Blade tracks straight in the material No burned edges when straight sawing or large radius curves guard is no more than 6 mm above the work piece table is square to blade and locked Saw dust cleaned out</p>	<p>Change blades when dull Wax table top for less resistance when guiding wood through Table insert is not chewed up Guide bearing run quiet and smooth Not excessive clearance between blades and bearings – 2 mm Brake pad has braking material and is in working condition</p>	<p>Blades 5/16 blade 8 tpi for general purpose Project specific blades – re-sawing, narrow for tight radius work etc., maybe desired</p>

Edge sander, Desktop combination sanders Sanding body parts, wheels	Sanding belt is clean Belt Tracks straight Belt spins no slippage Table square to belt	Change belts when necessary – too clogged from glue or worn smooth Vacuum saw dust although if dust collection correct there should be little	Correct length belts (discs) 80 -120 grit Crepe cleaning block – used daily under heavy use to when required
Drill press Cutting wheels Drilling platform bolt holes	Chuck is tight Correct spindle speed for bit size Table at correct height	Use dry lubricant for all moving part	Assorted drill bits Use sharp hole saws Clamp down work when using bit over ½ “ in diameter
Other?			

Materials	Safety Concerns	Why Use It?	Precautions/Actions
¼” hardboard	Can create dust irritation if sanded excessively Comes in 4x8 sheets have two students move the sheets store vertically in a rack	Stable Cuts cleanly Easy to do layout on	Wear dust mask Layout and cut accurately to eliminate need for sanding
¾” S4S pine	As above	Shapes easily Inexpensive	As Above