

LAB SECTION	<h1 style="color: red;">Tinker Lab Training</h1> <p style="color: red;">Updated 10/10</p> <p style="color: red;">If the Advisor does not mention these items, please ask.</p> <p style="color: red;">If the Advisor does not know the answer, please contact jsp@bu.edu.</p>	
Front area	<p>Advisor introduction: name, dept., status, interests and other advisors info. Ask users their interests. Add to training.</p> <p><u><i>Emphasize safety-</i></u> <i>No open toe shoes</i> <i>Roll up sleeves</i> <i>Nothing hanging that will catch in equipment e.g. jewelry, neck chains</i> <i>Must wear safety goggles, even if you wear glasses</i> <i>Pull back hair</i> <i>No wrist watches</i> <i>No jewelry</i> <i>Ask Advisors for help, never guess or assume</i> <i>Always be with a buddy (ask Advisor to assist with larger equipment)</i> <i>Use common sense</i> <i>No ear plugs</i> <i>No loud music</i> <i>Ask Advisor to show you tool or equipment for first time or if unsure</i></p> <p>Show where to store bags/coats to be out of the way for safety -student made coat rack! <u>We are not responsible for lost or stolen items.</u></p> <p>Point out/explain storage lockers, 3D printers, soldering irons, Blue electronic stock tower.</p> <p><u>Use website as a tool.</u> Ton of info. Updated frequently. See the current updated schedule.</p>	
Lab Stock area	<p>Open blue drawers. Stock used in lab only. No steel allowed. Every ENG student gets \$100 june to june. <u>Explain</u> Parts Order request on website Lab stock is free. (Ordering stock based on burn-rate.)</p>	
Project Storage area (by Turnpike window ONLY)	<p>Do not leave projects on table. Make sure project has your name, date, e-mail and when you will return or it will be tossed out. We do not want Tinker to be filled with abandoned projects. All projects removed at end of semester unless given special permission by jsp@bu.edu. Don't take projects or materials that are not yours.</p>	
Crossing the	<p>Put on safety goggles, even if you wear glasses.</p>	

Caution Line	Show nose masks and ear muffs	
Paint and Chemical storage	Paint, wood stainers, etc are stored here	
Lathe	<p>Every tool in lab considered dangerous but this most dangerous tool in tinker.</p> <p>Tell Hair story. Tie up long hair and any loose clothing , as usual.</p> <p>Fasten stock securely.</p> <p>Describe safety concerns with the key (must be removed before use).</p> <p>Describe concerns with running into the chuck when moving part in x-direction.</p>	
Scroll saw	<p>No metal, only wood, and plastic.</p> <p>Remove hand from the cutting plane.</p> <p>Check speed.</p>	
Circular/Miter Saw	Demonstrate its use	
Wheel Grinder	No Aluminum! Only steel – bolts, pipes, etc.	
NC Mill	<p>Show difference between <u>End Mill bit and Drill bit</u> type.</p> <p>Show different bit sizes.</p> <p>2nd most dangerous tool.</p> <p>Never touch spindle when running.</p> <p>Fasten stock properly.</p>	
Drill Press	<p>Use clamp to hold stock</p> <p>Demonstrate how machine works</p>	
Band Saw	<p>Use clamp to hold stock</p> <p>Remove hand from the cutting plane.</p> <p>Demonstrate how machine works</p>	
Belt Sander	<p>Watch out for them getting caught.</p> <p>Never angle stock up. Only sand angled down or straight.</p>	
Wood Planar	<p>Work with buddy when using long piece</p> <p>Keep proper balance on the floor</p> <p>Connect vacuum to deal with dust</p> <p>Sweep off dust immediately after, because of slippery floor</p>	
Jointer	<p>Work with buddy when using long piece</p> <p>Keep proper balance on the floor</p> <p>Watch out for the blade; use the blade guard</p>	

	Connect vacuum to deal with dust Sweep off dust immediately after, because of slippery floor	
Battery Chargers	Charge batteries immediately after using them	
Hand tools	Return tools back to the correct section of the lockers Return drill bits to the bit drawer Ask lab adviser when in doubt	
Mojo 3D Printer	Most expensive. Makes very detailed prints Has smaller build plate than other printers in the lab	
CNC Mill	2 nd most dangerous tool in tinker, some say. Never touch spindle when machine in running. Fasten stock properly. Ask adviser for help when not sure	
Display Table	We always want to display projects on the table and at the website. Take pictures, write short text. Send to jsp@bu.edu .	
Phone	In emergencies, call 911 or BUPD 617-353-2121	
Equipment and Lab Stock Storage Cabinets in back.	Show inside. Ask advisor to use items.	
	YOU MUST- CLEAN UP WHEN LEAVING. PUT AWAY ALL TOOLS AND STOCK. REPORT BROKEN ITEMS, EVEN IF YOU BROKE THEM.	
Back to Front Area	Administer quiz. Give swipe access. Encourage users to visit website and Tinker lab often!!!!!!!!!!	