

OCTELAB SAFETY NET**APPENDIX A - PROJECT / LEARNING ACTIVITY MATERIALS, PHYSICAL RESOURCES**

PROJECT / LEARNING ACTIVITY TITLE: Design / Build a Mitre Box

COURSE CODE AND TITLE: TDJ20 Technological Design

VERSION PREPARED DATE: June 2012

SUBMITTED BY: D.B. McCowan

CONTACT:

PROJECT / LEARNING ACTIVITY MATERIALS LIST FOR THIS PROJECT / LEARNING ACTIVITY

MATERIAL	QUANTITY	DESCRIPTION	SOURCE	WHMIS MSDS ATTACHED	SAFE STORAGE	WASTE DISPOSAL
Hardwood	30 feet total	1 x 6	<input type="checkbox"/> new, purchased <input type="checkbox"/> new, donated from community, industry <input type="checkbox"/> recycled from inside school <input type="checkbox"/> recycled from outside school PREPARATION REQUIRED FOR USE: DETAILS: confirm heat treating	<input type="checkbox"/> Y <input type="checkbox"/> N	wood rack	sawdust is collected in sawdust tower via extraction system
Fasteners	5 lb	variety of wood screws	<input type="checkbox"/> new, purchased Variety of available fasteners is shown to students who then design their mitre box and make decision on appropriate fasteners	<input type="checkbox"/> N	metal storage cabinet	

Finish (eg varnish)	2 litres	Note: Specs to be determined and discussed thoroughly in class lessons	<input checked="" type="checkbox"/> new, purchased Refer to student learning activities Parents sign the student's project refinishing proposal MSDS will be obtained and filed by class	see Note & column 4	Flammable materials storage cabinet	in consultation with caretaking
Carpenter Glue	Half litre		<input checked="" type="checkbox"/> new, purchased Refer to learning activity regarding analysis of an MSDS	<input checked="" type="checkbox"/> Y	Flammable materials storage cabinet	in consultation with caretaking

PHYSICAL RESOURCES USED FOR THIS PROJECT / LEARNING ACTIVITY

EQUIPMENT, TOOL, MACHINE	SUBJECT – SPECIFIC NEEDS	INSPECTED FOR SAFETY FEATURES	STUDENT TRAINING PLAN IDENTIFIED	MAINTENANCE SCHEDULE
<p>NOTE: TEACHER EXPERIENCE AND SAFETY PROFICIENCY IS ASSUMED.</p> <p>DETAIL EQUIPMENT: drill press, table saw</p> <p>handsaws, hammers, screwdrivers, clamps, measuring and layout instruments</p> <p>MANUAL APPLICABLE / AVAILABLE (LOCATION):</p>	<p>MACHINE GUARDING AND SHIELDING APPLICABLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p>EMERGENCY STOP / PANIC BUTTON APPLICABLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p>LOCK-OUT TAG APPLICABLE <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A</p> <p>OTHER (SUBJECT-SPECIFIC) <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>	<p><input checked="" type="checkbox"/> Teacher DATE: _____</p> <p><input type="checkbox"/> Board DATE: _____</p>	<p>DETAIL STEPS: OCTE safety materials BM9-TableSaw.docs (4 docs) BM5-DrillPress_Certif.doc BM3-Safety_Mach_Tools.doc BM4_Safety_Operator.doc</p> <p>SIGNAGE: Kill switches and safety goggle posters</p> <p>RESOURCES: safety glasses, face mask, gloves, shop ventilation system</p> <p>FREQUENCY OF RETRAINING ADVISED: Ongoing as needed</p>	<p>DAILY: Visual check</p> <p>WEEKLY:</p> <p>MONTHLY: monthly summary report</p> <p>ANNUALLY:</p> <p>CONTACT FOR REPAIR:</p>