

## OCTELAB SAFETY NET

### APPENDIX A - PROJECT / LEARNING ACTIVITY MATERIALS, PHYSICAL RESOURCES

PROJECT / LEARNING ACTIVITY TITLE: Design / Build a Picture Frame

COURSE CODE AND TITLE: TDJ2O 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
Scrap flooring	40 feet total	from a site of new residential construction (offcuts about 2 feet long)	<input type="checkbox"/> new, purchased <input checked="" 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: inspect for nails, screws; confirm heat treating	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	wood rack	sawdust is collected in sawdust tower via extraction system
Scrap flooring	40 feet total	from a site of old residential construction (offcuts about 2 feet long)	<input type="checkbox"/> new, purchased <input type="checkbox"/> new, donated from community, industry <input type="checkbox"/> recycled from inside school <input checked="" type="checkbox"/> recycled from outside school	<input checked="" type="checkbox"/> N	wood rack	sawdust is collected in sawdust tower via extraction system

			PREPARATION REQUIRED FOR USE: DETAILS: remove nails, screws; confirm heat treating; refer to student learning activities on paint removing			
Fasteners	10 lb	variety of finishing nails, wood screws	[ x ] new, purchased Variety of available fasteners is shown to students who then design their frame and make decision on appropriate fasteners	[ x ] N	metal storage cabinet	
Picture hanging hardware, matt, backing and acrylic glazing	25 sets	Variety of styles	[ x ] new, purchased Variety of available hardware is shown to students who then design their frame and make decision on appropriate hardware	[ x ] N	metal storage cabinet	
Paint stripper	1 litre	Note: Specs to be determined and discussed thoroughly in class lessons	[ x ] new, purchased Refer to student learning activities on paint removing; teacher will promote the idea that stripping does not need to be perfect; remnants of the old finish tell a story of its former life Parents sign the student's project refinishing proposal MSDS will be obtained and filed by class	see Note	Flammable materials storage cabinet	in consultation with caretaking
Finish (eg varnish)	2 litres	Note: Specs to be determined and discussed thoroughly in class lessons	[ x ] 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	Flammable materials storage cabinet	in consultation with caretaking
Carpenter Glue	Half litre		[ x ] new, purchased Refer to learning activity regarding analysis of an MSDS	[ x ] 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
NOTE: TEACHER EXPERIENCE AND SAFETY PROFICIENCY IS ASSUMED.	MACHINE GUARDING AND SHIELDING APPLICABLE	[ x ] Teacher DATE: _____	DETAIL STEPS: OCTE safety materials BM9-TableSaw.docs (4 docs) BM5-DrillPress_Certif.doc BM3-Safety_Mach_Tools.doc BM4_Safety_Operator.doc	DAILY: Visual check
DETAIL EQUIPMENT:	[ x ] YES [ ] NO [ ] N/A	[ ] Board DATE: _____		WEEKLY:
drill press, table saw				MONTHLY: monthly summary report
handsaws, hammers, screwdrivers, clamps, acrylic cutter, measuring and layout instruments	EMERGENCY STOP / PANIC BUTTON APPLICABLE  [ x ] YES [ ] NO [ ] N/A		SIGNAGE: Kill switches and safety goggle posters	ANNUALLY:
MANUAL APPLICABLE / AVAILABLE (LOCATION):	LOCK-OUT TAG APPLICABLE  [ ] YES [ ] NO [ x ] N/A		RESOURCES: safety glasses, face mask, gloves, shop ventilation system Refer to the attached files: -BM18-TDSB Tech Safety Doc Memo 30JAN 2012.pdf -BM19-TDSB-Tech Ed Safety Procedure 20January 2012 Final(2).pdf -BM20-ESAO-WHMIS Symbols.pdf	CONTACT FOR REPAIR:
	OTHER (SUBJECT-SPECIFIC)  [ ] YES [ ] NO [ ] N/A		FREQUENCY OF RETRAINING ADVISED: Ongoing as needed	