

OCTELAB SAFETY NET

APPENDIX A - PROJECT / LEARNING ACTIVITY MATERIALS, PHYSICAL RESOURCES

PROJECT / LEARNING ACTIVITY TITLE: 24 Pounder Ships Canon Brass Model

COURSE CODE AND TITLE: TMJ3M1 Manufacturing Technology

VERSION PREPARED DATE: March 2012

SUBMITTED BY: Wes Palmer, Philip Pocock CSS, Dufferin-Peel Catholic District School Board

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

MATERIAL	QUANTITY	DESCRIPTION	SOURCE	WHMIS MSDS ATTACHED	SAFE STORAGE	WASTE DISPOSAL
Brass Rod	1 per student / canon.	1.0 inch Diameter 7 inches long	<input checked="" 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: none DETAILS: Students will cut long rod into 7 inch lengths as part of the assignment.	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Storage rack for long bars, storage box on shelf in cabinet once cut to length.	Metal recycling bin

Brass Rod	1 per student / canon.	.250 inch diameter	<input checked="" 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: none DETAILS: Students will cut rod to length as required when needed.	N/A	Storage rack for long bars, storage box on shelf in cabinet	Metal recycling bin
Wood – Baltic Birch Plywood or other substitute	1 per student / canon	¼ inch thick, 6 x 6 inch square	New or from scrap wood in the wood shop.	N/A	Stored in a box	Wood scrap bin

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. DETAIL EQUIPMENT: Metal Lathe MANUAL APPLICABLE / AVAILABLE (LOCATION): In main Machinery Binder in classroom cupboard.	MACHINE GUARDING AND SHIELDING APPLICABLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A EMERGENCY STOP / PANIC BUTTON APPLICABLE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Teacher DATE: Daily <input checked="" type="checkbox"/> Board DATE: Monthly	DETAIL STEPS: Powerpoint. DVD Teacher hands on instruction and demonstration. Practice exercise on machine under teacher supervision. Practical test. SIGNAGE: Lock-out procedure Eye protection sign	DAILY: Daily by students WEEKLY: Mondays by Teacher MONTHLY: By teacher ANNUALLY: By Teacher CONTACT FOR REPAIR: Varies

	<p>LOCK-OUT TAG APPLICABLE</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p>OTHER (SUBJECT-SPECIFIC)</p> <p><input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>		<p>RESOURCES:</p> <p>Machining DVD</p> <p>Powerpoint</p> <p>FREQUENCY OF RETRAINING ADVISED:</p> <p>Every semester and when deemed necessary by teacher through observation.</p>	
<p>NOTE: TEACHER EXPERIENCE AND SAFETY PROFICIENCY IS ASSUMED.</p> <p>DETAIL EQUIPMENT:</p> <p>Milling Machine</p> <p>MANUAL APPLICABLE / AVAILABLE (LOCATION): In Main Machinery Binder in classroom cupboard</p>	<p>MACHINE GUARDING AND SHIELDING APPLICABLE</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p>EMERGENCY STOP / PANIC BUTTON APPLICABLE</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p>LOCK-OUT TAG APPLICABLE</p> <p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>	<p><input checked="" type="checkbox"/> Teacher</p> <p>DATE:</p> <p>Daily</p> <p><input checked="" type="checkbox"/> Board</p> <p>DATE:</p> <p>Monthly</p>	<p>DETAIL STEPS:</p> <p>Lecture with Powerpoint DVD on Milling Machine Hands on demonstration by teacher. Practice exercise on machine under teacher supervision. Practical test.</p> <p>SIGNAGE:</p> <p>Lock-out procedure. Eye protection sign, Safety Shield sign</p> <p>RESOURCES:</p> <p>DVD on Milling Machine Powerpoint</p> <p>FREQUENCY OF RETRAINING ADVISED:</p> <p>Every semester or when teacher deems that additional review is required.</p>	<p>DAILY:</p> <p>By Students</p> <p>WEEKLY:</p> <p>Monday by teacher</p> <p>MONTHLY:</p> <p>By teacher</p> <p>ANNUALLY:</p> <p>By teacher</p> <p>CONTACT FOR REPAIR:</p> <p>Varies</p>