

# OCCUPATIONAL TOOLS AND EQUIPMENT LIST

## PLUMBER



Government of Newfoundland Labrador  
Department of Education and Early Childhood Development  
Apprenticeship and Trades Certification Division

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## **Preface**

This document is intended as a companion to the March 2011 Plan of Training for the **PLUMBER** occupation. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeships.

## **Acknowledgements**

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We offer you a sincere thank you.

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## **Note:**

The numbers suggested in the following Tools and Equipment List represent the required minimum. Please verify this list with your selected training institution.

**Tools and Equipment List  
PLUMBER**

<b>SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT</b>			
<b>Item</b>	<b>Units for Individual Students</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
<b>STUDENT EQUIPMENT LIST</b>			
Hacksaw	1	<b>B</b>	
Hand Files (assorted)	1	<b>B</b>	
Aviation snips - Straight type	1	<b>B</b>	
Hex Keys	1	<b>B</b>	
Utility Knife	1	<b>B</b>	
Torpedo Level	1	<b>B</b>	
Metric /Imperial Measuring Tape	1	<b>B</b>	
Pipe Wrench	1- 10 - 14 inch	<b>B</b>	
Pliers (assorted)	1 set of channel locks # 8	<b>B</b>	
Hand held Propane Torch	1	<b>B</b>	
Metric and Imperial Scale Rule	1	<b>B</b>	
Screwdrivers (assorted)	1 set	<b>B</b>	
Crescent Wrenches	1- 8 inch, 1- 10 inch	<b>B</b>	
<b>Personal Protective Equipment</b>			
Face Shield	1	<b>B</b>	

**SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT**

Item	Units for Individual Students	Required for Entry (E) Advanced (A) Both (B)	Comments
Hard Hat	1	<b>B</b>	
Overalls	1	<b>B</b>	
Safety Boots	1	<b>B</b>	
Safety Glasses/Goggles	1	<b>B</b>	
Water Proof Flashlight	1	<b>B</b>	
Knee Pads	1 pair	<b>B</b>	
Reflective vests	1	<b>B</b>	

Note: If identifying sets, please include specific information.

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
<b>SAFETY TOOLS</b>				
Fire Blanket	2		<b>B</b>	
Fire Extinguisher	As per regulations (1 minimum)		<b>B</b>	
Industrial First Aid Kit	1		<b>B</b>	
Burn Kit	1		<b>B</b>	
Eye Wash Station	1 per shop		<b>B</b>	
Knee Pads	6 pairs		<b>B</b>	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Reflective Vests	3		B	
Fire resistant jackets/Apron	3		B	
<b>HAND TOOLS</b>				
Ball-Peen Hammer	1		B	
Adjustable Basin Wrench	1 per cubicle		B	
Combination Wrench (open end box end)	1 per cubicle		B	
Deck Broom	<b>1</b>		B	
Builder's level	<b>2</b>		B	
Caulking Gun	<b>1</b>		B	
Centre Punch	<b>2</b>		B	
Combination Wrench (open end box end)	1 set		B	
Deck Broom	1		B	
Builder's level	1		B	
Caulking Gun	1		B	
Centre Punch	2		B	
Chalk Line	1		B	
Cold Chisels – Wood Chisel 1 Kit	1 kit		B	
Claw Hammer	1 per cubicle		B	
Drywall Saw	1		B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Multi-meter Tester	1		B	
Flaring Tool	1		B	
Hammer	1		B	
Block	1		B	
Flushometer	1		B	
Hacksaw	1	1 per cubicle	B	
Hand Files (assorted)	1	1 kit	B	
Hand Saw	1 per shop		B	
Aviation snips	1 set per shop		B	
Hand Shears	1 set per shop		B	
Hex Keys	2 sets (metric, standard)		B	
Utility Knife	1 per cubicle		B	
Torpedo Level	1 per cubicle		B	
24 inch level	1 per cubicle		B	
25 ft Metric and imperial Measuring Tape	1 per cubicle		B	
100ft Metric and imperial Measuring Tape	1 per shop		B	
Steel Pipe Cutter 2 inch	2 per shop		B	
Hand die Pipe Threader	2 per shop		B	
Pipe Wrench	1, 6-24 inch		B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Pliers (assorted)	2 sets per shop		B	
Hand held Propane Torch	3		B	
Pry Bars	1 set		B	
Ratchet / Socket Set Metric and Imperial	1 complete set		B	
Cast Iron Ratchet Cutter	1 set		B	
Steel Reamers	2- Straight, 1- spiral		B	
Copper Reamer	2		B	
Plastic Reamers	2		B	
Rubber Mallet	1		B	
Metric and Imperial Scale Rule	1 per student		B	
Scratch Awl	1		B	
Screwdrivers (assorted)	1		B	
Shovel	1		B	
Sledgehammer	1		B	
Framing Square	1		B	
Combination Square	1		B	
Met and IMP Tap and Die Sets	1 set		B	
Cast Iron Torque Wrench	1		B	
½ inch Torque Wrench	1		B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Crescent Wrenches	1 set 6-12 inch		B	
Copper Tube Cutter $\frac{1}{2}$ inch to 1 inch	3 of each		B	
Plastic PEX Tube Cutters (Set)	3 sets		B	
Hole Saws	1 Set		B	
Hand-Operated Oiler	2		B	
Tube-Benders	2		B	
PEX crimp Tool	1		B	
Philadelphia Rod	1 metric, 1 imperial		B	
Closet Auger	1		B	
Sewer Tape	1		B	
Roll Groover	1		B	
Water Proof Flashlight	1		B	
Spud Wrench	1		B	
Strap Wrench	1		B	
Striker	6		B	
Stud Finder	1		B	
Stud Punch	1		B	
Swage	1		B	
Wire Brushes	6		B	
C-clamps	3 inch-6 inch sizes		B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Plunger	3		B	
Chain Pipe vice	3		B	
Anchors (display an assortment for instructional purposes)	1 box of each		B	
Pipe stands	3		B	
Pressure gauges	3		B	
Groove depth tape	3		B	
Manometer	2		B	
Hydraulic pipe bender	1		B	
Nipple chucks	Various sizes		B	
4 inch jaw bench vise	1		B	
<b>POWER TOOLS</b>				
Power Drill	1		B	
Cordless Drill	1		B	
Drill bits	1 set wood including $\frac{1}{2}$ inch high speed spade 1 set metal including $\frac{1}{2}$ inch high speed spade		B	
Angle Drill	1		B	
Hammer Rotary Drill	1		B	
Reciprocating Saw	1		B	
2 gallon Portable Air Compressor and	1		B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Accessories				
Power Threader	2		B	
Powder-Actuated Tools	1		B	
Bench Grinder	1		B	
Chop Saw	1		B	
Circular Saw	1		B	
Drill Press	1		B	
Heat Gun	1		B	
Impact Gun	1		B	
Mini Grinder	3		B	
Jig Saw	1		B	
Arc Welder	3		B	
Oxy-acetylene Welding Equipment	1 set		B	
Dressing Tool Grinder	1		B	

**HOISTING, RIGGING AND ACCESS TOOLS AND EQUIPMENT**

Block and Tackle	1		B	
Chain Block Hoist	1		B	
Come-Along	1		B	
Assorted Rigging Hardware	1 set		B	
Life Line	1		B	

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION**

Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Lanyard	1		B	
Wire Slings	1 set		B	
Synthetic Slings	1 set		B	
Cable	1 set		B	
Safety harness	1		B	
Scaffolding	2 sections		B	
Extension Ladder	1 per shop		B	
Step Ladder	2 per shop		B	
Snatch Blocks	1		B	
<b>APPLIANCES, FIXTURES COMPRESSORS, AND PUMPS</b>				
Chair Carrier – for W/C , lavs, urinals	1 of each		B	
Urinal	1		B	
Bathroom Group	1		B	
Kitchen Sink	1		B	
Hot Water Tank	1		B	
Grease Interceptor	1		B	
Laundry Tub	1		B	
Hot Water Furnace and Accessories/Trim	1		B	
Heat Transfer Unit	4		B	
Low Water Cut-off	1		B	

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Item	Units per 15 Students	Maximum Students per Unit	Required for Entry (E) Advanced (A) Both (B)	Comments
Jet pumps	1		B	
Positive displacement pumps	1		B	
Submersible pumps	1		B	
Pressure Tank and controls	1		B	
Low head circulating pump	1		B	
Hydrostatic Pump and Gauge	1		B	