

OCCUPATIONAL  
TOOLS AND EQUIPMENT LIST

**PLUMBER**



Government of Newfoundland Labrador  
Department of Education  
Institutional & Industrial Education Division

## **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**

Advisory committees, industry representatives, instructors and apprenticeship staff provided valuable input to the development of this document. Without their dedication to quality apprenticeship training, this document could not have been produced.

We offer you a sincere thank you.

## **Contact Information**

Department of Education  
Institutional and Industrial Training Section  
Tel: 709-729-2729 / 1-877-771-3737  
Email: [app@gov.nl.ca](mailto:app@gov.nl.ca)  
Web: [www.gov.nl.ca/app](http://www.gov.nl.ca/app)

## **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

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

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			
Fire Extinguisher	As per regulations (1 minimum)			
Industrial First Aid Kit	1			
Burn Kit	1			
Eye Wash Station	1 per shop			
Knee Pads	6 pairs			
Reflective Vests	3			
Fire resistant jackets/Aprons	3			
<b>HAND TOOLS</b>				
Ball-Peen Hammer	1		B	
Adjustable Basin Wrench	1 per cubicle		B	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Combination Wrench (open end box end)			<b>B</b>	
Deck Broom			<b>B</b>	
Builder's level			<b>B</b>	
Caulking Gun			<b>B</b>	
Centre Punch			<b>B</b>	
Combination Wrench (open end box end)	1 set		<b>B</b>	
Deck Broom	1		<b>B</b>	
Builder's level	1		<b>B</b>	
Caulking Gun	1		<b>B</b>	
Centre Punch	2		<b>B</b>	
Chalk Line	1		<b>B</b>	
Cold Chisels – Wood Chisel 1 Kit	1 kit		<b>B</b>	
Claw Hammer	1 per cubicle		<b>B</b>	
Drywall Saw	1		<b>B</b>	
Multi-meter Tester	1		<b>B</b>	
Flaring Tool	1		<b>B</b>	
Hammer	1			
Block	1			
Flushometer	1		<b>B</b>	
Hacksaw	1	1 per cubicle	<b>B</b>	
Hand Files (assorted)	1	1 kit	<b>B</b>	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Hand Saw	1 per shop		<b>B</b>	
Aviation snips	1 set per shop		<b>B</b>	
Hand Shears	1 set per shop		<b>B</b>	
Hex Keys	2 sets (metric, standard)		<b>B</b>	
Utility Knife	1 per cubicle		<b>B</b>	
Torpedo Level	1 per cubicle		<b>B</b>	
24 inch level	1 per cubicle		<b>B</b>	
25 ft Metric and imperial Measuring Tape	1 per cubicle		<b>B</b>	
100ft Metric and imperial Measuring Tape	1 per shop		<b>B</b>	
Steel Pipe Cutter 2 inch	2 per shop		<b>B</b>	
Hand die Pipe Threader	2 per shop		<b>B</b>	
Pipe Wrench	1, 6-24 inch		<b>B</b>	
Pliers (assorted)	2 sets per shop		<b>B</b>	
Hand held Propane Torch	3		<b>B</b>	
Pry Bars	1 set		<b>B</b>	
Ratchet / Socket Set Metric and Imperial	1 complete set		<b>B</b>	
Cast Iron Ratchet Cutter	1 set		<b>B</b>	
Steel Reamers	2- Straight, 1- spiral		<b>B</b>	
Copper Reamer	2		<b>B</b>	
Plastic Reamers	2			
Rubber Mallet	1			

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Metric and Imperial Scale Rule			<b>B</b>	
Scratch Awl	1		<b>B</b>	
Screwdrivers (assorted)	1		<b>B</b>	
Shovel	1		<b>B</b>	
Sledgehammer	1		<b>B</b>	
Framing Square	1		<b>B</b>	
Combination Square	1		<b>B</b>	
Met and IMP Tap and Die Sets	1 set		<b>B</b>	
Cast Iron Torque Wrench	1		<b>B</b>	
½ inch Torque Wrench	1		<b>B</b>	
Crescent Wrenches	1 set 6-12 inch		<b>B</b>	
Copper Tube Cutter ½ inch to 1 inch	3 of each		<b>B</b>	
Plastic PEX Tube Cutters (Set)	3 sets		<b>B</b>	
Hole Saws	1 Set			
Hand-Operated Oiler	2		<b>B</b>	
Tube-Benders	2		<b>B</b>	
PEX crimp Tool	1		<b>B</b>	
Philadelphia Rod	1 metric, 1 imperial		<b>B</b>	
Closet Auger	1		<b>B</b>	
Sewer Tape	1		<b>B</b>	
Roll Groover	1		<b>B</b>	
Water Proof Flashlight	1		<b>B</b>	
Spud Wrench	1		<b>B</b>	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Strap Wrench	1		<b>B</b>	
Striker	6		<b>B</b>	
Stud Finder	1		<b>B</b>	
Stud Punch	1		<b>B</b>	
Swage	1		<b>B</b>	
Wire Brushes	6		<b>B</b>	
C-clamps	3 inch-6 inch sizes		<b>B</b>	
Plunger	3		<b>B</b>	
Chain Pipe vice	3		<b>B</b>	
Anchors (display an assortment for instructional purposes)	1 box of each		<b>B</b>	
Pipe stands	3		<b>B</b>	
Pressure gauges	3		<b>B</b>	
Groove depth tape	3		<b>B</b>	
Manometer	2		<b>B</b>	
Hydraulic pipe bender	1		<b>B</b>	
Nipple chucks	Various sizes		<b>B</b>	
4 inch jaw bench vise	1		<b>B</b>	
<b>POWER TOOLS</b>				
Power Drill	1		<b>B</b>	
Cordless Drill	1		<b>B</b>	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Drill bits	1 set wood including ½ inch high speed spade  1 set metal including ½ inch high speed spade		<b>B</b>	
Angle Drill	1		<b>B</b>	
Hammer Rotary Drill	1		<b>B</b>	
Reciprocating Saw	1		<b>B</b>	
2 gallon Portable Air Compressor and Accessories	1		<b>B</b>	
Power Threader	2		<b>B</b>	
Powder-Actuated Tools	1		<b>B</b>	
Bench Grinder	1		<b>B</b>	
Chop Saw	1		<b>B</b>	
Circular Saw	1		<b>B</b>	
Drill Press	1		<b>B</b>	
Heat Gun	1		<b>B</b>	
Impact Gun	1		<b>B</b>	
Mini Grinder	3		<b>B</b>	
Jig Saw	1		<b>B</b>	
Arc Welder	3		<b>B</b>	
Oxy-acetylene Welding Equipment	1 set		<b>B</b>	
Dressing Tool Grinder	1		<b>B</b>	
<b>HOISTING, RIGGING AND ACCESS TOOLS AND EQUIPMENT</b>				
Block and Tackle	1		<b>B</b>	

<b>SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION</b>				
<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Chain Block Hoist	1		<b>B</b>	
Come-Along	1		<b>B</b>	
Assorted Rigging Hardware	1 set		<b>B</b>	
Life Line	1		<b>B</b>	
Lanyard	1		<b>B</b>	
Wire Slings	1set		<b>B</b>	
Synthetic Slings	1 set		<b>B</b>	
Cable	1 set		<b>B</b>	
Safety harness	1		<b>B</b>	
Scaffolding	2 sections		<b>B</b>	
Extension Ladder	1 per shop		<b>B</b>	
Step Ladder	2 per shop		<b>B</b>	
Snatch Blocks	1		<b>B</b>	
<b>APPLIANCES, FIXTURES COMPRESSORS, AND PUMPS</b>				
Chair Carrier – for W/C , lavs, urinals	1 of each		<b>B</b>	
Urinal	1		<b>B</b>	
Bathroom Group	1		<b>B</b>	
Kitchen Sink	1		<b>B</b>	
Hot Water Tank	1		<b>B</b>	
Grease Interceptor	1		<b>B</b>	
Laundry Tub	1		<b>B</b>	
Hot Water Furnace and Accessories/Trim	1		<b>B</b>	

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

<b>Item</b>	<b>Units per 15 Students</b>	<b>Maximum Students per Unit</b>	<b>Required for Entry (E) Advanced (A) Both (B)</b>	<b>Comments</b>
Heat Transfer Unit	4		<b>B</b>	
Low Water Cut-off	1		<b>B</b>	
Jet pumps	1		<b>B</b>	
Positive displacement pumps	1		<b>B</b>	
Submersible pumps	1		<b>B</b>	
Pressure Tank and controls	1		<b>B</b>	
Low head circulating pump	1		<b>B</b>	
Hydrostatic Pump and Gauge	1		<b>B</b>	