

# BOILERMAKER

## First-year Apprentice Learning Plan

Please indicate in the appropriate course column the skills to be focused on in this 125-hour course.

Feel free to add skills specific to your work site.

Trade Skills and Tasks	RAP 15 125 hrs	RAP 25A 250 hrs	RAP 25B 375 hrs	RAP 25C 500 hrs	RAP 35A 625 hrs	RAP 35B 750 hrs	RAP 35C 875 hrs	RAP 35D 1000 hrs
	RAP 4168	RAP 5168	RAP 5159	RAP 5169	RAP 6168	RAP 6169	RAP 6170	RAP 6171
Demonstrates basic calculation and measurement specific to trade (metric/imperial)								
Applies accident prevention principles, practices and techniques								
Plans the job for removal, maintenance and/or repair								
Prepares plate steel for fabrication of steel vessels								
Assembles/disassembles, repairs and maintains tanks, hoppers and similar vessels								
Fabricates and assembles components								
Welds metal and performs informal inspections of completed welds								
Prepares vessels and performs stress relieving activities for vessels								
Performs lay up, removal and repair of fibreglass components								
Fabricates and prepares rigging and hoisting apparatus								
Erects and dismantles scaffolds and other working platforms								
Uses ropes, slings and hoists for rigging loads								
Assembles and disassembles stationary cranes, tower cranes, jacking systems and other hoisting equipment								
Selects cranes/hoisting equipment with the capability to do the job and prepares cranes for transport								
Assembles and disassembles hydraulic and lattice boom cranes								
Assembles and disassembles specialty equipment and attachments								
Inspects vessels, components and equipment for defects or damage								
Prepares for installation, repair or maintenance								
Installs, removes, repairs and maintains vessels								
Installs, repairs/maintains, assembles/disassembles and tests tube bundles								
Installs, removes and expands tubes in boilers, heat exchangers and related equipment								
Installs, repairs/maintains, assembles/disassembles and demolishes component parts of boilers								
Practises good communication skills								

**Note:** These skills and tasks are taken directly from the *Apprenticeship and Industry Training Record Book* (Blue Book) as a general guideline of the training required for a first-year RAP student.

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Employer's Signature

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Student's Signature

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Off-campus Coordinator's Signature