

STEAMFITTER/PIPEFITTER INFORMATION SHEET 2023

Employers, journeypersons and instructors play a key role in the success of apprenticeship in Newfoundland and Labrador. By working collaboratively with government, stakeholders support the apprenticeship system in the development of a highly skilled workforce.

To receive a Red Seal endorsement, apprentices must pass the Red Seal examination. In 2022, Newfoundland and Labrador's Red Seal exam pass rate for the Steamfitter/Pipefitter trade was 30 per cent. This is below the 2022 national average of 42 per cent. As supervising journeypersons and instructors, you are integral in helping train and prepare apprentices to write the Red Seal exam. Apprentices should be exposed to, have the ability to practice, and be able to explain how to complete all skills in the logbook; this will assist them in being successful in their Red Seal exam.

Given the broad scope of the trade, it can be difficult to know where to focus to prepare apprentices. To help inform your training plan with the apprentice, the Apprenticeship and Trades Certification Division (ATCD) has identified a list of five lower performing tasks demonstrated by Newfoundland and Labrador apprentices on the Red Seal exam for your trade*. We encourage you to review the list below with apprentices. Details on these tasks can be found in the national occupational standard for your trade – the Red Seal Occupational Standard (RSOS): [Red Seal Occupational Standard - Steamfitter/Pipefitter](#)

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 130)	RSOS Page Number
Task A-3	Organizes job.	6 questions	Pg. 34
A-3.01	Plans work.		
A-3.02	Generates drawings.		
A-3.03	Interprets drawings and specifications.		
A-3.04	Develops piping templates.		
A-3.05	Performs preliminary quality control functions.		
Task B-7	Installs, tests, maintains, troubleshoots and repairs heat tracing systems.	3 questions	Pg. 69
B-7.01	Installs steam tracing systems.		
B-7.02	Maintains, troubleshoots, repairs and tests steam tracing systems.		
B-7.03	Installs liquid-filled tracing systems.		
B-7.04	Maintains, troubleshoots, repairs and tests liquid-filled tracing systems.		
Task E-12	Installs, tests, maintains, troubleshoots and repairs hydronic systems.	6 questions	Pg. 118
E-12.01	Installs equipment for hydronic systems.		
E-12.02	Installs piping for hydronic systems.		
E-12.03	Tests hydronic systems.		

Task/Sub-Task	Description	Number of Questions on RS Exam (out of 130)	RSOS Page Number
E-12.04	Maintains, troubleshoots and repairs hydronic systems.		
Task E-17	Installs, tests, maintains, troubleshoots and repairs fuel systems.	2 questions	Pg. 167
E-17.01	Installs equipment for fuel systems.		
E-17.02	Installs piping and tubing for fuel systems.		
E-17.03	Tests fuel systems.		
E-17.04	Maintains, troubleshoots and repairs fuel systems.		
Task E-19	Installs, tests, maintains, troubleshoots and repairs compressed air and pneumatic systems.	3 questions	Pg. 186
E-19.01	Installs equipment for compressed air and pneumatic systems.		
E-19.02	Installs piping and tubing for compressed air and pneumatic systems.		
E-19.03	Tests compressed air and pneumatic systems.		
E-19.04	Maintains, troubleshoots and repairs compressed air and pneumatic systems.		

**The information above represents the last three years where Red Seal exam data is available (May 2020 – May 2023).*

For additional resources to assist apprentices (e.g., Self-Assessment Guide, Red Seal Practice Questions, etc.), please visit the **Trade Profile** section on the ATCD website: www.gov.nl.ca/atcd/designated-trades/trade-profiles/

ATCD would like to thank you for your contribution towards apprenticeship training and investing in the future of skilled trades in Newfoundland and Labrador.