



Scaffolder

On-the-Job Training Guide

2024

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Recognition:

To promote transparency and consistency, this document has been adapted from the Red Seal Occupational Standard template (Employment and Social Development Canada).

Note: The new Scaffolder Apprenticeship Technical Training will be implemented in stages. Level 1 for 2024/25, Level 2 for 2025/26, Level 3 for 2026/27 and Level 4 for 2027/28. The Technical Training will derive from the Scaffolder Saskatchewan Occupational Standard.

The new Level 1 Technical Training will follow the Saskatchewan Occupational Standard (SOS) which will be released for the 2025/2026 Technical Training Semester. For the 2024/2025 Technical Training semester, Levels 2, 3 and 4 will be taught according to the Provincial Occupational Analysis (POA) which can be found online at:

www.saskapprenticeship.ca

STRUCTURE OF THE ON-THE-JOB TRAINING GUIDE

To facilitate understanding of the occupation, this on-the-job training guide contains the following sections:

Task Matrix: a chart which outlines graphically the major work activities, tasks and sub-tasks of this standard detailing the essential skills and the level of training where the content is covered.

Major Work Activity (MWA): the largest division within the standard that is comprised of a distinct set of trade activities.

Task: distinct actions that describe the activities within a major work activity.

Sub-task: distinct actions that describe the activities within a task.

On-the-Job Training Content for the Scaffolder Trade: a chart which outlines the topics of technical training with on-the-job examples for apprentices to achieve relevant experience at work.

TRAINING REQUIREMENTS FOR THE SCAFFOLDER TRADE

To graduate from each level of the apprenticeship program, an apprentice must successfully complete the required technical training and compile enough on-the-job experience to total at least 1500 hours each year. Total trade time required is 6000 hours and at least 4 years in the trade.

Journeyman ratio for this trade is: 1:2

The information contained in this document serves as a guide for employers and apprentices. Apprenticeship training is mutually beneficial to both employer and apprentice. The employer's investment in training apprentices results in skilled and certified workers. The document summarizes the tasks to be covered by the apprentice during their on-the-job portion of apprenticeship training. An apprentice spends approximately 85% of their apprenticeship term training on-the-job.

It is the employer's or journeyman's responsibility to supervise an apprentice's practical skills development until a satisfactory level of proficiency has been reached.

EMPLOYER TRAINING RESPONSIBILITY

- promote a safety-conscious workplace
- provide mentored, hands-on practice in the use of tools and equipment
- demonstrate procedures relevant to the inspecting, diagnosing, servicing, repairing, replacing and overhauling of all components of an automobile, light truck or light bus
- provide the opportunity for apprentices to service the above systems and vehicles
- further the apprentice's ability to interpret technical drawings and schematics
- ensure that the apprentice can troubleshoot, diagnose and repair the vehicle and its systems

Employers should make every effort to expose their apprentices to work experience in as many areas of the trade as possible.

In the On-the-Job Training Guide, in-school instruction is listed first; on-the-job suggestions to help employers assist the apprentice to prepare for in-school training are listed next.

The content of the training components is subject to change without notice.

Entrance Requirements for Apprenticeship Training

Your grade twelve transcripts (with no modified classes) or GED 12 is your guarantee that you meet the educational entrance requirements for apprenticeship in Saskatchewan. In fact, employers prefer and recommend apprentices who have completed high school. This ensures the individual has all of the necessary skills required to successfully complete the apprenticeship program and receive journeyman certification.

Individuals with "modified" or "general" classes in math or science do not meet our entry requirements. These individuals are required to take an entrance assessment prescribed by the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

English is the language of instruction in all apprenticeship programs and is the common language for business in Saskatchewan. Before admission, all apprentices and/or "upgraders" must be able to understand and communicate in the English language. Applicants whose first language is not English must have a minimum Canadian Language Benchmark Assessment of six (CLB6).

Note: A CLB assessment is valid for a one-year period from date of issue.

Designated Trade Name	Math Credit at the Indicated Grade Level❶	Science Credit at Grade Level
Scaffolder	Grade 10	Grade 10
<p>❶ - (One of the following) WA – Workplace and Apprenticeship; or F – Foundations; or P – Pre-calculus, or a Math at the indicated grade level (Modified and General Math credits are not acceptable.).</p> <p>*Applicants who have graduated in advance of 2015-2016, or who do not have access to the revised Science curricula will require a Science at the minimum grade level indicated by trade.</p> <p>For information about high school curriculum, including Math and Science course names, please see: http://www.curriculum.gov.sk.ca/#</p> <p>Individuals not meeting the entrance requirements will be subject to an assessment and any required training</p>		

Task A-4 Interprets construction documents	A-4.01 Interprets engineered drawings and specifications 1	A-4.02 Interprets codes, regulations and standards	A-4.03 Estimates materials	A-4.04 Schedules work sequence
Task A-5 Performs project related skills	A-5.01 Performs site layout 1	A-5.02 Checks base conditions 1	A-5.03 Communicates 1	

B – TEMPORARY STRUCTURES

45%

Task B-6 Access structures	B-6.01 Lays out structures 1	B-6.02 Assembles access structures 1	B-6.03 Maintains access structures 1	B-6.04 Dismantles access structures 1
Task B-7 Hoarding and shelters	B-7.01 Assembles hoarding and shelters	B-7.02 Maintains hoarding and shelters	B-7.03 Dismantles hoarding and shelters	
Task B-8 Shoring/falsework	B-8.01 Lays out shoring/falsework	B-8.02 Assembles shoring/falsework	B-8.03 Maintains shoring/falsework	B-8.04 Dismantles shoring/falsework
Task B-9 Support structures	B-9.01 Lays out support structures 1	9.02 Assembles support structures 1	9.03 Maintains support structures 1	9.04 Dismantles support structures 1

Task B-10 Structurally fixed work platforms	10.01 Lays out structurally fixed work platforms	10.02 Assembles structurally fixed work platforms	10.03 Maintains structurally fixed work platforms	10.04 Dismantles miscellaneous equipment
Task B-11 Hung wire and rope or chain work platforms	11.01 Lays out hung wire and rope or chain platforms	11.02 Assembles hung wire and rope or chain work platforms	11.03 Maintains hung wire and rope or chain work platforms	11.04 Dismantles miscellaneous equipment
Task B-12 Specialized safety structures	12.01 Lays out specialized safety structures	12.02 Assembles specialized safety structures	12.03 Maintains specialized safety structures	12.04 Dismantles specialized safety structures

TRAINING PROFILE CHART

This Training Profile Chart represents Saskatchewan Apprenticeship and Trade Certification Commission (SATCC) technical training at the topic level for the 2024/2025 Technical Training Semester.

Level One (New Training)	Transcript Code	Hours
Personal Protective Equipment/Safety Equipment	SAFE 101 - Theory	5
	SAFE 101 - Shop	5
Material Handling	MATL 101 - Theory	3
	MATL 101 - Shop	6
Tools and Equipment	TOOL 101 - Theory	3
	TOOL 101 - Shop	9
Ladders	LADD 101 - Theory	1.5
	LADD 101 - Shop	4.5
Scaffolding Basics	SCAF 101 - Theory	12
	SCAF 101 - Shop	26
Wooden Scaffolds	SCAF 102 - Theory	3
	SCAF 102 - Shop	12
		90

Level Two	Transcript Code	Hours
Rigging and Hoisting	RIGG 201 – Theory	Non-Implemented Training
	RIGG 201 – Shop	
Tools and Equipment	TOOL 201 – Theory	
	TOOL 201 – Shop	
Commercial Engineered Drawings Interpretation	ENGN 201 – Theory	
Tube and Clamp Scaffolds	SCAF 201 – Theory	
	SCAF 201 – Shop	
Modular and System Scaffolds	SCAF 202 – Theory	
	SCAF 202 - Shop	

Level Three	Transcript Code	Hours
Respiratory Equipment	SAFE 301 - Theory	Non-Implemented Training
Site Preparation	SITE 301 – Theory	
	SITE 301 – Shop	
Survey Equipment	TOOL 301 – Theory	
	TOOL 301 – Shop	
Hoarding and Shelters	HRDS 301 – Theory	
	HRDS 301 – Shop	
Modular and System Scaffolds	SCAF 302 – Theory	
	SCAF 302 – Shop	
Tube and Clamp Scaffolds	SCAF 301 – Theory	
	SCAF 301 – Shop	
Suspended Scaffold System	SCAF 303 – Theory	
	SCAF 303 – Shop	

Level Four	Transcript Code	Hours	
Workplace Safety	SAFE 401 – Theory	<i>Non-Implemented Training</i>	
	SAFE 401 – Shop		
Survey Equipment	TOOL 401 – Theory		
	TOOL 401 – Shop		
Shoring	SCAF 401 – Theory		
	SCAF 401 – Shop		
Temporary Bleachers	SCAF 402 – Theory		
	SCAF 402 – Shop		
Boiler Scaffolds	SCAF 403 – Theory		
	SCAF 403 – Shop		
Machine Scaffolds	SCAF 404 – Theory		
	SCAF 404 – Shop		
			90

ON-THE JOB AND IN-SCHOOL TRAINING CONTENT FOR THE SCAFFOLDER TRADE

This chart outlines on-the-job examples for apprentices to achieve relevant work experience to prepare for the topics of technical training. Topics of technical training are provided with the associated learning outcomes.

Level One	3 weeks (Implemented Training)	90 hours
Personal Protective Equipment / Safety Equipment – Theory		5 hours
<ul style="list-style-type: none"> • identify and apply PPE and safety equipment • identify, interpret and obey applicable safety laws and regulations • identify components of the fall protection system • describe the use of nets and fans • interpret and practice applicable safety regulations/laws • identify respiratory safety equipment 		
Personal Protective Equipment / Safety Equipment – Shop		5 hours
<ul style="list-style-type: none"> • identify and apply PPE and safety equipment • inspect and maintain PPE and safety equipment • use PPE and safety equipment according to manufacturer's specifications • identify components of the fall protection system • interpret and practice applicable safety regulations/laws • identify respiratory safety equipment 		
Mentors can assist the apprentice to prepare for this section of technical training by:		
<ul style="list-style-type: none"> • <i>selecting the appropriate PPE for the job</i> • <i>helping the apprentice inspect and maintain PPE equipment</i> • <i>introducing the apprentice to OH&S regulations</i> • <i>showing the apprentice WHMIS procedures such as record keeping of safety data sheets (SDS), and product identification, handling and disposal</i> 		
Material Handling - Theory		3 hours
<ul style="list-style-type: none"> • identify material handling equipment • calculate weights and dimensions of scaffolding materials • follow manual and mechanical lifting and hoisting techniques • identify basic rope knots and hitches • identify scaffold component hand signals • handling and storage material handling equipment following manufacturers guidelines and worksite best practices 		
Material Handling – Shop		9 hours
<ul style="list-style-type: none"> • identify material handling equipment • select, inspect, use and maintain material handling equipment • calculate weights and dimensions of scaffolding materials • demonstrate manual and mechanical lifting and hoisting techniques • performs basic rope knots and hitches • demonstrates scaffold component hand signals • inspect trailers visually before loading 		

- handle and store material handling equipment following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *helping the apprentice select the correct equipment*
- *having the apprentice identify the correct material for the job*
- *assisting the apprentice with knot and hitch techniques*
- *teaching the apprentice hand signals*
- *showing the apprentice how to properly handle and store building materials*

Tools and Equipment – Theory

3 hours

- identify hand, portable power, and pneumatic tools
- follow manufacturer’s instructions as it pertains to the use of portable power, and pneumatic tools
- identify, use, maintain and store basic layout equipment
- proper use of ppe as it applies to tools and equipment

Tools and Equipment – Shop

9 hours

- identify hand, portable power, and pneumatic tools
- inspect, use and maintain hand, portable power, and pneumatic tools
- follow manufacturer’s instructions as it pertains to the use of portable power, and pneumatic tools
- identify, use, maintain and store basic layout equipment
- proper use of ppe as it applies to tools and equipment

Mentors can assist the apprentice to prepare for this section of technical training by:

- *assisting the apprentice in the appropriate selection of tools for the job*
- *showing the apprentice how to inspect and maintain tools*
- *selecting the appropriate PPE for the particular tool in use*
- *introducing the apprentice to proper storage techniques of tools*

Ladders – Theory

1.5 hours

- identify, inspect, select and use types of portable ladders
- understand manufacturer instructions as well as safety rules and regulations as it pertains to the use of portable ladders
- identify, inspect, select and use fixed ladders
- understand manufacturer’s instructions as well as rules and regulations as it pertains to the use of fixed ladders

Ladders – Shop

4.5 hours

- identify, inspect, select and use types of portable ladders
- understand manufacturer instructions as well as safety rules and regulations as it pertains to the use of portable ladders
- build construction ladders following oh&s regulations
- identify, inspect, select and use fixed ladders
- understand manufacturer’s instructions as well as rules and regulations as it pertains to the use of fixed ladders

Mentors can assist the apprentice to prepare for this section of technical training by:

- *introducing the apprentice to safe work practices as it applies to ladders*
- *familiarizing the apprentice with manufacturer instructions*
- *helping the apprentice inspect, select and use ladders*
- *showing the apprentice how to build ladders in accordance with OH&S regulations*

Scaffolding Basics - Theory

12 hours

- identify scaffolding utilization
- identify various types of scaffold systems
- identify various scaffold parts/components/terminology
- identify scaffold parts and components for defects
- understand applicable oh&s regulations and csa requirements
- determine proper quantity of scaffold parts and components

Scaffolding Basics – Shop

26 hours

- identify scaffolding utilization
- identify various types of scaffold systems
- identify various scaffold parts/components/terminology
- understand applicable oh&s regulations and csa requirements
- use layout tools to aid in scaffold design
- inspect scaffold parts and components for defects
- determine proper quantity of scaffold parts and components
- use material handling equipment to stage scaffold parts and components to aid in correct order of assembly
- use and maintain basic rigging and hoisting equipment
- assemble scaffolding following manufacturer's or engineering instructions and applicable laws/regulations
- maintain scaffolding according to manufacturer's instructions and applicable laws/regulations
- dismantle and store scaffolding equipment in proper locations and using manufacturer storage guidelines

Mentors can assist the apprentice to prepare for this section of technical training by:

- *familiarizing the apprentice with OH&S regulations*
- *assisting with material estimation*
- *helping the apprentice identify scaffolding components*
- *allowing the apprentice to select and inspect the appropriate components for building scaffolds*
- *introducing the apprentice to layout techniques*
- *inspecting base conditions and other hazards with the apprentice*
- *assisting the apprentice with building techniques*
- *having the apprentice check the scaffold structure for level and plumb*
- *assisting the apprentice dismantle and properly store scaffolding components*

Wooden Scaffolds - Theory

3 hours

- identify applicable oh&s regulations and csa requirements
- determine proper quantity of scaffold parts and components

Wooden Scaffolds - Shop

12 hours

- use layout tools to aid in scaffold design
- identify applicable oh&s regulations and csa requirements
- inspect scaffold parts and components for defects
- determine proper quantity of scaffold parts and components
- use material handling equipment to stage scaffold parts and components to aid in correct order of assembly
- use basic rigging and hoisting equipment
- assemble scaffolding following manufacturer's or engineering instructions and applicable laws/regulations
- maintain scaffolding according to manufacturer's instructions and applicable laws/regulations

- dismantle and store scaffolding materials according to manufacturer instructions and applicable laws/regulations

Mentors can assist the apprentice to prepare for this section of technical training by:

- *familiarizing the apprentice with OH&S regulations*
- *assisting with material estimation*
- *helping the apprentice identify wooden scaffolding components*
- *allowing the apprentice to select and inspect the appropriate components for building wooden scaffolds*
- *introducing the apprentice to layout techniques*
- *inspecting base conditions and other hazards with the apprentice*
- *assisting the apprentice with building techniques*
- *having the apprentice check the wooden scaffold structure for level and plumb*
- *assisting the apprentice dismantle and properly store wooden scaffolding components*

Level Two 3 weeks (Non-implemented Training) 90 hours

Riggin and Hoisting - Theory

- identify manual rigging and hoisting equipment
- calculate weights and eccentric loads are within safety factors (Math)
- identify mechanical lifting and hoisting techniques

Rigging and Hoisting - Shop

- identify, select, inspect, use and maintain manual rigging and hoisting equipment
- apply and demonstrate correct rigging and hoisting methods
- calculate weights and eccentric loads are within safety factors (Math)
- demonstrate ANSI rigging and hoisting hand signals
- perform advanced knot tying

Mentors can assist the apprentice to prepare for this section of technical training by:

- *showing the apprentice how to calculate loads and weights*
- *assisting the apprentice select and inspect rigging equipment*
- *having the apprentice use the correct hand signals*
- *helping the apprentice connect and operate rigging equipment*
- *assisting the apprentice dismantle and store rigging equipment*

Tools and Equipment - Theory

- identify stationary power tools
- identify explosive actuated tools

Tools and Equipment - Shop

- follow procedures for safe use and maintenance of stationary tools
- identify explosive actuated tools

Mentors can assist the apprentice to prepare for this section of technical training by:

- *familiarizing the apprentice possible hazards associated with stationary power tools*
- *assisting the apprentice select, set up and operate stationary power tools*
- *helping the apprentice shut down, dismantle, store and maintain stationary power tools*

Commercial Engineered Drawings Interpretation

- engineered scaffolding drawings
- freehand sketching
- estimating tube and clamp scaffolds

Mentors can assist the apprentice to prepare for this section of technical training by:

- *introducing the apprentice to instruments such as protractors and scale rulers*
- *familiarizing the apprentice with codes, regulations and standards*
- *helping the apprentice perform materials calculations such as area, volume and material load weight*
- *familiarizing the apprentice with the schedule sequence of a work project and material selection*

Tube and Clamp Scaffolds - Theory

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use
- calculate number of components for various scaffold configurations (Math)
- calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations (Math)

Tube and Clamp Scaffolds - Shop

- calculate number of components for various scaffold configurations (Math)
- calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations (Math)
- select and inspect scaffold components
- assemble components following manufacturer's or engineer's instructions and applicable laws/regulations
- inspect completed scaffold assembly for damaged or missing components/requirements
- dismantle scaffold assembly in safe manner
- handle and store scaffold components following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *having the apprentice perform a supervised material estimation*
- *helping the apprentice identify the correct scaffolding components for use*
- *allowing the apprentice to select and inspect the appropriate components for building tube and clamp scaffolds*
- *having the apprentice perform supervised layout techniques*
- *inspecting base conditions and other hazards with the apprentice*
- *assisting the apprentice with building techniques*
- *having the apprentice check the tube and clamp scaffold structure for level and plumb*
- *assisting the apprentice dismantle and properly store scaffolding components*

Modular System Scaffolds – Theory

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use

Modular System Scaffolds – Shop

- select and inspect scaffold components (Math)
- demonstrate assembly of components following manufacturer's instructions and applicable laws/regulations.
- demonstrate various manufacturer approved assembly techniques
- inspect completed scaffold assembly for damaged or missing components/requirements.
- dismantle scaffold assembly in safe manner

Mentors can assist the apprentice to prepare for this section of technical training by:

- *having the apprentice perform a supervised material estimation*
- *helping the apprentice identify the correct scaffolding components for use*
- *allowing the apprentice to select and inspect the appropriate components for building modular system scaffolds*

- *having the apprentice perform supervised layout techniques*
 - *inspecting base conditions and other hazards with the apprentice*
 - *assisting the apprentice with building techniques*
 - *having the apprentice check the modular system scaffold structure for level and plumb*
 - *assisting the apprentice dismantle and properly store scaffolding components*
-

Level Three 3 weeks (Non-implemented Training) 90 hours

Respiratory equipment

- interpret and practice applicable safety regulations/laws
- identify respiratory safety equipment
- select appropriate respiratory equipment for specific hazards
- inspect, maintain, and store various types of respiratory equipment

Mentors can assist the apprentice to prepare for this section of technical training by:

- *allowing the apprentice to select the appropriate respiratory equipment for the job*
 - *helping the apprentice inspect and maintain respiratory equipment*
 - *following OH&S regulations*
-

Site Preparation - Theory

- interpret applicable general worksite safety/hygiene regulations/laws.
- identify worksite hazards.
- identify procedures to establish safe worksite base/ground conditions.

Site Preparation - Shop

- interpret applicable general worksite safety/hygiene regulations/laws.
- identify worksite hazards.
- use procedures to establish safe worksite base/ground conditions

Mentors can assist the apprentice to prepare for this section of technical training by:

- *allow the apprentice to assist in toolbox meetings*
 - *assess worksite hazards with the apprentice*
 - *have the apprentice assist in worksite planning*
 - *work with the apprentice to assess ground conditions*
-

Survey Equipment - Theory

- identify types of survey equipment
- establish elevations, angles, and linear measurements.

Survey Equipment - Shop

- identify, select and use types of survey equipment
- establish elevations, angles, and linear measurements
- transport and store survey equipment following manufacturer instructions

Mentors can assist the apprentice to prepare for this section of technical training by:

- *introduce the apprentice to the different types of survey equipment*
 - *allow the apprentice establish elevations, angles and linear measurements*
 - *assist the apprentice in the proper storage and maintenance of survey equipment*
-

Hoarding and Shelters - Theory

- identify applicable OH&S regulations and CSA requirements.
- identify hoarding and shelter materials.
- select hoarding and shelter materials best suited for task.
- calculate wind load and dead load of hoarding and shelter materials (Math)

Hoarding and Shelters – Shop

- select hoarding and shelter materials best suited for task
- calculate wind load and dead load of hoarding and shelter materials (Math)
- install hoarding and shelter materials following manufacturer's directions and applicable regulations/laws
- maintain hoarding and shelter materials
- dismantle hoarding in a safe manner
- handle and store hoarding components following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *allow the apprentice to establish base conditions*
- *assist the apprentice in selecting the proper materials for the task*
- *assist the apprentice in calculating wind loads and dead loads for hoarding and shelter materials*
- *supervise the apprentice as they build hoarding and shelters*
- *help the apprentice in the maintenance of hoarding and shelters*
- *allow the apprentice to dismantle hoarding and shelters with direct supervision*
- *assist the apprentice in the storage of hoarding and shelter materials*

Modular and System Scaffolds – Theory

- identify applicable OH&S regulations and CSA requirements.
- identify components and manufacturer's directions for intended use.
- calculate number of components for various scaffold configurations.
- calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations.

Modular and System Scaffolds – Shop

- select and inspect scaffold components
- demonstrate assembly of components following manufacturer's instructions and applicable laws/regulations
- demonstrate various manufacturer approved assembly techniques.
- inspect completed scaffold assembly for damaged or missing components/requirements
- calculate number of components for various scaffold configurations
- calculate load ratings for various scaffold configurations using manufacturer specifications and applying applicable laws/regulations
- dismantle scaffold assembly in safe manner

Mentors can assist the apprentice to prepare for this section of technical training by:

- *having the apprentice perform material estimation*
- *allowing the apprentice to select and inspect the appropriate components for building modular system scaffolds*
- *having the apprentice perform layout techniques*
- *having the apprentice inspecting base conditions and other hazards*
- *teaching the apprentice building techniques*
- *having the apprentice check the modular system scaffold structure for level and plumb*
- *allowing the apprentice to dismantle and store scaffolding components*



Tube and Clamp Scaffolds – Theory

- identify applicable OH&S regulations and CSA requirements
- identify components and manufacturer's directions for intended use

Tube and Clamp Scaffolds – Shop

- select and inspect scaffold components
- assemble components following manufacturer's or engineer's instructions and applicable laws/regulations
- inspect completed scaffold assembly for damaged or missing components/requirements
- dismantle scaffold assembly in safe manner
- handle and store scaffold components following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *having the apprentice perform material estimation*
- *allowing the apprentice to select and inspect the appropriate components for building tube and clamp scaffolds*
- *having the apprentice perform layout techniques*
- *having the apprentice inspecting base conditions and other hazards*
- *teaching the apprentice building techniques*
- *having the apprentice check the tube and clamp scaffold structure for level and plumb*
- *allowing the apprentice to dismantle and store scaffolding components*

Suspended Scaffold System – Theory

- identify different types of suspended scaffolds and swing stages
- understand applicable OH&S regulations and CSA requirements
- Identify components and manufacturer's directions for intended use
- Calculate number of components for various suspended work platform configurations (Math)
- Calculate load ratings for various suspended work platform configurations using manufacturer specifications and applying applicable laws/regulations (Math)

Suspended Scaffold System – Shop

- calculate number of components for various suspended work platform configurations (Math)
- select and inspect suspended work platform components
- calculate load ratings for various suspended work platform configurations using manufacturer specifications and applying applicable laws/regulations (Math)
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed suspended work platform assembly for damaged or missing components/requirements
- dismantle suspended work platform assembly in safe manner
- handle and store suspended work platform components following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *having the apprentice perform material estimation*
- *allowing the apprentice to select and inspect the appropriate components for building suspended scaffolds*

- *having the apprentice calculate load ratings*
 - *teaching the apprentice building techniques*
 - *allowing the apprentice to dismantle and store scaffolding components*
-

Workplace Safety - Theory

- interpret applicable safety regulations/laws
- recognize common and unique workplace
- safety protocols and procedures
- identify common and unique workplace health hazards
- confined Space certification

Mentors can assist the apprentice to prepare for this section of technical training by:

- *introducing the apprentice to OH&S regulations*
- *showing the apprentice WHMIS procedures such as record keeping of safety data sheets (SDS), and product identification, handling and disposal*

Workplace Safety - Shop

- confined Space certification

***Not common core**

Survey Equipment - Theory

- identify and select survey equipment
- establish elevations, angles, and linier measurements

Survey Equipment - Shop

- select and use survey equipment
- use survey equipment to establish elevations, angles, and linier measurements
- transport and store survey equipment following manufacturer instructions

Mentors can assist the apprentice to prepare for this section of technical training by:

- *allow the apprentice to select the appropriate survey equipment for the job*
- *allow the apprentice establish elevations, angles and linear measurements*
- *have the apprentice store and maintain survey equipment*

Shoring - Theory

- identify components and follow manufacturer's directions for intended use
- calculate number of components for various shoring/falsework configurations
- calculate load ratings for various shoring/falsework configurations using manufacturer specifications and engineered drawings

Shoring - Shop

- calculate number of components for various shoring/falsework configurations
- select and inspect shoring/falsework components
- calculate load ratings for various shoring/falsework configurations using manufacturer specifications and engineered drawings
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed shoring/falsework assembly for damaged or missing components/requirements

- dismantle shoring/falsework assembly in safe manner
- handle and store shoring/falsework components following manufacturers guidelines and workplace best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *working with the apprentice to interpret drawings and establish base conditions*
- *allowing the apprentice to select the appropriate shoring components*
- *checking the apprentices work and verifying the shoring as level and plumb*
- *assisting the apprentice with dismantling shoring structures*

Temporary Bleachers - Theory

- identify components and manufacturer's directions for intended use
- calculate number of components for various designs and configurations
- calculate load ratings for various structure configurations using manufacturer specifications and applying applicable laws/regulations

Temporary Bleachers - Shop

- calculate number of components for various designs and configurations
- select and inspect structural and non-structural components
- calculate load ratings for various structure configurations using manufacturer specifications and applying applicable laws/regulations
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed structure assembly for damaged or missing components/requirements
- dismantle structure assembly in safe manner
- handle and store components following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *assisting the apprentice with material estimation and the interpretation of manufacturer's directions*
- *allowing the apprentice calculate load ratings according to applicable laws/regulations*
- *assisting the apprentice in the building of bleachers*
- *having the apprentice inspect and maintain the bleacher structure*
- *directing the apprentice in the dismantling and storage of temporary bleachers*

Boiler Scaffolds – Theory

- identify components and manufacturer's directions for intended use
- calculate number of components for various scaffold configurations
- calculate load ratings for various scaffold configurations using manufacturer specifications, engineered drawings, and applying applicable laws/regulations

Boiler Scaffolds – Shop

- calculate number of components for various scaffold configurations
- select and inspect scaffold components
- calculate load ratings for various scaffold configurations using manufacturer specifications, engineered drawings, and applying applicable laws/regulations
- assemble components following manufacturer's or engineering instructions and applicable laws/regulations
- inspect completed scaffold assembly for damaged or missing components/requirements

- dismantle scaffold assembly in safe manner
- handle and store scaffold components following manufacturers guidelines and worksite best practices

Mentors can assist the apprentice to prepare for this section of technical training by:

- *assisting the apprentice with material estimation and the interpretation of manufacturer's directions*
- *allowing the apprentice calculate load ratings according to applicable laws/regulations*
- *having the apprentice prepare base conditions*
- *assisting the apprentice in the building of boiler scaffolds*
- *having the apprentice inspect and maintain the boiler scaffolds*
- *directing the apprentice in the dismantling and storage of boiler scaffolds*

Machine Scaffolds – Theory

- understand applicable OH&S regulations
- identify different types of machine scaffolds
- Operations of machine scaffolds.
- Ariel lift certification.

Machine Scaffolds – Shop

- Inspect machine scaffolds for damaged/missing components or manufacturers' requirements
- Handle and store machine scaffolds following manufacturers guidelines and worksite best practices
- Ariel lift certification

Mentors can assist the apprentice to prepare for this section of technical training by:

- *familiarizing the apprentice with different types of machine scaffolds*
 - *having the apprentice inspect ground conditions prior to operation*
 - *assisting the apprentice with the pre-use inspection of a machine scaffold*
 - *showing the apprentice proper operations of machine scaffolds*
 - *directing the apprentice in the dismantling and storage of boiler scaffolds*
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Consider apprenticeship training as an investment in the future of your company and in the future of your workforce. Ultimately, skilled and certified workers increase your bottom line.

Get involved in the apprenticeship training system. Your commitment to training helps to maintain the integrity of the trade.

Do you have employees who have been working in the trade for a number of years but don't have trade certification? Contact your local apprenticeship office for details on how they might obtain the certification they need.

Saskatchewan Apprenticeship & Trade Certification Commission

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District Offices

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Moose Jaw (306) 694-3735

North Battleford (306) 446-7409

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