

Model Curriculum

Fitter Helper - Weaving

SECTOR: TEXTILE
SUB-SECTOR: WEAVING - TEXTILES
OCCUPATION: MAINTENANCE - WEAVING MACHINES
REF ID: TSC/Q2406, VERSION 3.0
NSQF LEVEL: 2



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

TEXTILE SECTOR SKILL COUNCIL
for the

MODEL CURRICULUM

Complying to National Occupational Standards of Job Role/ Qualification Pack
Fitter Helper – Weaving QP No. 'TSC/ Q 2406' **NSQF Level 2'**

Date of Issuance: **January, 27th, 2022**

Valid up to: **January, 27th, 2025**

* Valid up to the next review date of the Qualification Pack



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(Textile Sector Skill Council)

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Fitter Helper - Weaving

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a **"Fitter Helper - Weaving"**, in the "Textile" Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Fitter Helper - Weaving		
Qualification Pack Name & Reference ID.	Fitter Helper - Weaving TSC/Q2406, version 3.0		
Version No.	3.0	Version Update Date	27.01.2022
Pre-requisites to Training	<ul style="list-style-type: none"> Able to read and write Min Age: 18 Year 		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> Perform taking charge of shift and handing over shift Perform lubrication for the machines Maintain work area, tools and machines Gain behavioral skill for team working Maintain health, safety and security at work place Comply with industry and organizational requirement 		

This course encompasses 6 out of 6 National Occupational Standards (NOS) of “Fitter Helper - Weaving” Qualification Pack issued by “TSC: Textile Sector Skill Council”

	Module	Key Learning Outcomes	Equipment Required
1	Taking charge of shift and handing over shift to Fitter Helper - Weaving Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 30:00 Corresponding NOS Code TSC/N 2411	<ul style="list-style-type: none"> Learn general discipline Become well verse with basic skills of communication Understand the role of Fitter Helper - Weaving Perform tasks while taking charge of shift and handing over shift 	<u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
2	Lubricate weaving machines Theory Duration (hh:mm) 45:00 Practical Duration (hh:mm) 120:00 Corresponding NOS Code TSC/N 2412	<ul style="list-style-type: none"> Perform Oiling the machines Perform Greasing the machines Perform other work practices and follow cleaning procedure 	1. <u>common for every batch:</u> poster/video visuals for work method 2. <u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector
3	Maintain work area, tools and machines Theory Duration (hh:mm) 05:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code TSC/N 9001	<ul style="list-style-type: none"> Gain knowledge on Housekeeping system Identify and know unique functions of basic hand tools like cleaning hook, cleaning stick, bag, etc. Handling equipment importance Perform maintenance activities for handling equipment 	1. <u>common for every batch:</u> poster/video visuals for work method 2. <u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector

4	<p>Working in a team</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N 9002</p>	<ul style="list-style-type: none"> Understand the team work and its importance Know the basic requirements for team working 	<p><u>Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
5	<p>Maintain health, safety and security at work place</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 30:00</p> <p>Corresponding NOS Code TSC/N 9003</p>	<ul style="list-style-type: none"> Gain knowledge on various health hazards relevant to workplace and basic first aid training. Identify and select right equipment such as fire extinguisher & based on type of fire. Perform good practice on first aid, fire fighting etc. 	<p>1. A sample of following items for each trainee: apron, head cap, nose mask, ear plug, shoe, 2. common for every batch: first aid materials, fire extinguisher, work method posters/ pictures, 3. <u>Class room requirements:</u> 25 people seating capacity with a screen and projector</p>
6	<p>Comply with industry and organisational requirement</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code TSC/N 9004</p>	<ul style="list-style-type: none"> Knowledge about organizational and industry standards Knowledge the requirements for self-development Gain knowledge on Organizational & Industry standards 	<p><u>Class room requirements:</u> 25 people seating capacity with a screen and projector</p>

7	<p>Employability Skills (30 Hours)</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 18:00</p>	<ul style="list-style-type: none"> • Discuss the importance of Employability Skills in meeting the job requirements. • Explain constitutional values, civic rights, duties, citizenship, responsibility towards society etc. that are required to be followed to become a responsible citizen. • Show how to practice different environmentally sustainable practices • Discuss 21st century skills. • Display positive attitude, self -motivation, problem solving, time management skills and continuous learning mindset in different situations. • Use appropriate basic English sentences/ phrases while speaking • Demonstrate how to communicate in a well -mannered way with others. • Demonstrate working with others in a team • Show how to conduct oneself appropriately with all genders and PwD • Discuss the significance of reporting sexual harassment issues in time • Discuss the significance of using financial products and services safely and securely. • Explain the importance of managing expenses, income, and savings. • Explain the significance of approaching the concerned authorities in time for any exploitation as per legal rights and laws • Show how to operate digital devices and use the associated applications and features, safely and securely • Discuss the significance of using internet for browsing, accessing social media platforms, safely and securely. • Discuss the need for identifying opportunities for potential business, sources for arranging money and potential legal and financial challenges. • Differentiate between types of customers • Explain the significance of identifying customer needs and addressing them • Discuss the significance of maintaining hygiene and dressing appropriately. • Create a biodata • Use various sources to search and apply for jobs • Discuss the significance of dressing up neatly and maintaining hygiene for an interview • Discuss how to search and register for apprenticeship opportunities. 	<p>Class room requirements: 25 people seating capacity with a screen and projector</p>
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Total Duration:	Unique Equipment Required: Apron, head cap, nose mask, earplug, shoe, Oil cans, Grease guns, Wiping cloth/ Brush, Maintenance kits
Theory Duration 102:00	
Practical Duration 228:00	

Grand Total Course Duration: 330 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by TSC: Textile Sector Skill Council)

Trainer Prerequisites for Job role: “Fitter Helper - Weaving” mapped to Qualification Pack: “Fitter Helper - Weaving,TSC/Q2406, Version 3.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “Fitter Helper - Weaving, TSC/Q2406
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, Employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	<ul style="list-style-type: none"> Basic Literacy and Numeracy
4a	Domain Certification	Certified for Job Role: “Fitter Helper - Weaving” mapped to QP: “Fitter Helper – Weaving TSC/Q2406, Version 3.0”.
4b	Platform Certification	Required that the Trainer is certified for MEP/Q2601 Job Role: “Trainer” with atleast 80% score
5	Experience	4 years experience in specific sector as a trainer with 1 year as an Fitter - Helper

Employability Trainer Prerequisites

Trainer Prerequisites						
Minimum Educational Qualification	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
Graduate/CITS	Any Discipline			2	Teaching Experience	Prospective ES trainer should:
Current ITI Trainers	Employability Skills Training (3 days full-time course done between 2019-2022)					<ul style="list-style-type: none"> have good communication skills be well versed in English have digital skills have attention to detail be adaptable have willingness to learn
Certified current EEE trainers (155 hours)	from Management SSC (MEPSC)					
Certified Trainer	Qualification Pack: Trainer (MEP/Q0102)					

Annexure: Assessment Criteria

Job Role: Fitter Helper - Weaving
Qualification Pack: Fitter Helper - Weaving (TSC/Q 2406)
Sector Skill Council: Textile Sector Skill Council

Guidelines for assessment: -

1. Criteria for assessment for each qualification pack will be created by the Sector Skill Council. Each performance criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for theory & skill practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of question created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria.
5. To pass the qualification pack, every trainee should score a minimum of 50%.
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. TSC/N2411 (Taking charge of shift and handing over shift to Fitter Helper - Weaving)	PC1. come at least 10 - 15 minutes earlier to the work spot	100	20	5	15	0
	PC2. Ensure whether oil can, grease gun is in order.		15	5	10	0
	PC3. check the cleanliness of the machines & other work areas		20	5	10	5
	PC4. check whether any spare/raw material/ tool / fabric/ any other material is thrown under the machines or in the other work areas.		15	5	6	4
	PC5. Bring the same to the knowledge of His/ Her Superior as well that of the previous shift as well.		15	5	5	5
	PC6. report to His/ Her Superior about the quality / safety issues/ any other issue faced and should leave the department only after getting concurrence for the same from His/ Her superiors		15	5	4	6
	Total		100	30	50	20
	Weightage %			30%	50%	20%
2. TSC/N2412 (Lubricate weaving)	PC1. ensure that oiling points are identified with marking in paint	300	12	6	6	0
	PC2. ensure that there is no fluff in the oiling points		12	4	8	0

machines)					
	PC3. check the oil quality before the same is applied	13	5	8	0
	PC4. apply oil in the “ oiling points” as per the schedule	13	4	9	0
	PC5. check the oil level , in the oil storages in the machines	13	4	9	0
	PC6. check for the oil leakages in the oil storages and see that the said leakages are arrested immediately by bringing the same to the knowledge of the higher authority	13	3	10	0
	PC7. Change the oil condition in the oil storages the same has to be changed, for any deviation in the quality.	13	3	10	0
	PC8. change the oil in the oil storages as per the schedule	13	3	10	0
	PC9. Ensure that greasing points are identified with marking in paint.	12	4	8	0
	PC10. Ensure that the grease nipples in the greasing points are there.	13	3	10	0
	PC11. Ensure that the grease nipples in the greasing points are in good order.	13	3	10	0
	PC12. ensure that there is no fluff in the greasing points	12	3	6	3
	PC13. check whether grease gun is in good order	12	3	6	3
	PC14. check for the air supply if compressor grease gun is used	12	3	6	3
	PC15. apply grease in the grease points as per the schedule	13	4	6	3
	PC16. Ensure that the old grease comes out when applying grease.	12	4	6	2
	PC17. apply oil as prescribed in the oiling points or oiling places earmarked	12	4	6	2
	PC18. apply grease prescribed in the greasing points	13	3	10	0
	PC19. ensure that the oil does not spill on floor	12	5	7	0
	PC20. ensure that excess oil is not used	12	6	6	0
	PC21. see that the raw materials or fabrics get damaged during or after oiling	13	4	6	3

	PC22. ensure grease does not waste		12	4	6	2
	PC23. see that hands are free from oil or grease, while touching the raw materials or fabrics		12	4	6	2
	PC24. Ensure that grease quality doesn't get deteriorated, due to storage problem or due to any other problem. for any deviation, the same has to be brought to the notice of the higher authority		13	5	7	1
	Total		300	94	182	24
	Weightage %			31%	61%	8%
3. TSC/N 9001 (Maintain work area, tools and machines)	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	50	4	2	1	1
	PC2. use correct lifting and handling procedures		4	2	1	1
	PC3. use materials to minimize waste		3	1	1	1
	PC4. maintain a clean and hazard free working area		3	1	1	1
	PC5. maintain tools and equipment		4	1	2	1
	PC6. carry out running maintenance within agreed schedules		4	2	1	1
	PC7. carry out maintenance and/or cleaning within one's responsibility		4	2	1	1
	PC8. report unsafe equipment and other dangerous occurrences		4	2	1	1
	PC9. ensure that the correct machine guards are in place		3	1	1	1
	PC10. work in a comfortable position with the correct posture		3	1	1	1
	PC11. use cleaning equipment and methods appropriate for the work to be carried out		3	1	1	1
	PC12. dispose of waste safely in the designated location		4	2	1	1
	PC13. store cleaning equipment safely after use		3	1	1	1
	PC14. carry out cleaning according to schedules and limits of responsibility		4	2	1	1
	Total		50	21	15	14
	Weight age %			42%	30%	28

4. TSC/N 9002 (Working in a team)	PC1. be accountable to the own role in whole process	50	5	1	3	1
	PC2. perform all roles with full responsibility		4	1	2	1
	PC3. be effective and efficient at workplace		4	2	1	1
	PC4. properly communicate about company policies		4	1	1	2
	PC5. report all problems faced during the process		4	1	1	2
	PC6. talk politely with other team members and colleagues		4	1	1	2
	PC7. submit daily report of own performance		5	2	2	1
	PC8. adjust in different work situations		4	1	2	1
	PC9. give due importance to others' point of view		4	1	1	2
	PC10. avoid conflicting situations		4	2	1	1
	PC11. develop new ideas for work procedures		4	2	1	1
	PC12. improve upon the existing techniques to increase process efficiency		4	2	1	1
	Total		50	17	17	16
	Weightage %			34%	34%	32 %
5. TSC/N 9003 (Maintain health, safety and security at work place)	PC1. Comply with health and safety related instructions applicable to the workplace	100	5	2	2	1
	PC2. Use and maintain personal protective equipment as per protocol		5	2	2	1
	PC3. Carry out own activities in line with approved guidelines and procedures		4	1	2	1
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		4	1	2	1
	PC5. Follow environment management system related procedures		4	1	2	1
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment		5	2	2	1

	PC7. Report any service malfunctions that cannot be rectified	4	1	2	1
	PC8. Store materials and equipment in line with manufacturer's and organizational requirements	4	2	1	1
	PC9. Safely handle and move waste and debris	4	2	1	1
	PC10. Minimize health and safety risks to self and others due to own actions	5	2	2	1
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks	4	0	2	2
	PC12. Monitor the workplace and work processes for potential risks and threats	5	2	2	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned	5	2	2	1
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel	4	2	1	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace	4	2	2	0
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so	5	2	2	1
	PC17. Take action based on instructions in the event of fire, emergencies or accidents	5	2	2	1
	PC18. Follow organization procedures for shutdown and evacuation when required	4	1	2	1
	PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry	4	1	2	1
	PC20. recognize other possible security issues existing in the workplace	4	1	2	1
	PC21. recognize different measures to curb the hazards	4	1	2	1
	PC22. communicate the safety plan to everyone	4	1	2	1
	PC23. attach disciplinary rules with the implementation	4	1	2	1
	Total	100	34	43	23

	Weightage %			34%	43%	23%
6. TSC/N 9004 (Comply with industry and organizational requirement)	PC1. perform own duties effectively	50	4	2	1	1
	PC2. take responsibility for own actions		4	2	1	1
	PC3. be accountable towards the job role and assigned duties		4	1	2	1
	PC4. take initiative and innovate the existing methods		3	1	1	1
	PC5. focus on self-learning and improvement		4	2	1	1
	PC6. co-ordinate with all the team members and colleagues		4	2	1	1
	PC7. communicate politely		4	1	1	2
	PC8. avoid conflicts and miscommunication		4	2	1	1
	PC9. know the organizational standards		4	1	2	1
	PC10. implement them in your performance		4	2	1	1
	PC11. motivate others to follow them		3	1	1	1
	PC12. know the industry standards		4	1	3	0
	PC13. align them with organization standards		4	1	2	1
	Total		50	19	18	13
	Weightage %			38%	36%	26%

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory Marks	Practical Marks	Viva Marks
7. DGT/VSQ/ N0101 – Employability Skills	Introduction to Employability Skills			1	1	-
	1. understand the significance of employability skills in meeting the job requirements					
	Constitutional values – Citizenship			1	1	-
	2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.					
	Becoming a Professional in the 21st Century			1	3	-
	3. explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.					
	Basic English Skills			2	3	-
	4. speak with others using some basic English phrases or sentences					
	Communication Skills			1	1	-
	5. follow good manners while communicating with others					
	6. work with others in a team					
	Diversity & Inclusion			1	1	-
	7. communicate and behave appropriately with all genders and PwD					
	8. report any issues related to sexual harassment					
	Financial and Legal Literacy			3	4	-
	9. use various financial products and services safely and securely					
	10. calculate income, expenses, savings etc.					
	11. approach the concerned authorities for any exploitation as per legal rights and laws					

	Essential Digital Skills			4	6	-
	12. operate digital devices and use its features and applications securely and safely					
	13. use internet and social media platforms securely and safely					
	Entrepreneurship			3	5	-
	14. identify and assess opportunities for potential business					
	15. identify sources for arranging money and associated financial and legal challenges					
	Customer Service			2	2	-
	16. identify different types of customers					
	17. identify customer needs and address them appropriately.					
	18. follow appropriate hygiene and grooming standards.					
	Getting ready for apprenticeship & Jobs			1	3	-
	19. create a basic biodata					
	20. search for suitable jobs and apply					
	21. identify and register apprenticeship opportunities as per requirement					
	NOS Total		50	20	30	-
	Grand Total		700	235	355	110



Textile Sector Skill Council

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