

Model Curriculum

Bamboo Basket Maker

SECTOR: HANDICRAFTS AND CARPET
SUB-SECTOR: Handicrafts (Bamboo Handicrafts)
OCCUPATION: Bamboo Basket Maker
REF ID: HCS/Q 8704, V1.0
NSQF LEVEL: 3



Certificate

COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HANDICRAFTS AND CARPET SECTOR SKILL COUNCIL

for

SKILLING CONTENT : PARTICIPANT HANDBOOK

Complying to National Occupational Standards of

Job Role/ Qualification Pack: "**Bamboo Basket Maker**" QP No. "**HCS/Q 8704, NSQF Level 3**"

Date of Issuance:

Valid up to*: April 10th, 2018

*Valid up to the next review date of the Qualification Pack or the
*Valid up to' date mentioned above (whichever is earlier)



Authorised Signatory

(Handicrafts and Carpet Sector Skill Council)

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Bamboo Basket Maker

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Bamboo Basket Maker”, in the “Handicrafts and Carpet” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Bamboo Basket Maker		
Qualification Pack Name & Reference ID. ID	HCS/Q 8704, v1.0		
Version No.	1.0	Version Update Date	29/06/17
Pre-requisites to Training	5th Standard passed		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Describe the job of bamboo basket maker and his/her responsibilities • Identify the tools and equipment used for bamboo basket making • Make the bamboo sliver by handling the bamboo split in the right manner • Identify and segregate the usable and the disposable bamboo slivers based on width, thickness, strength and colour • Making two dimensional Bamboo sliver base according to specified design & size on which weaving & twining is to be done • Carry out the process of weaving & twining in the definite pattern & design • Ensure proper handling in making the basketry product to avoid any breakage • Clip the extra unwanted sliver from the basket & fix the edges • Drying of Bamboo Basket • Perform Proper Varnishing & Drying of Bamboo Basket • Store the lot of basket in a dry area avoiding direct contact with the ground. • Identify modifiable defects and rework on them • Be accountable to one's own role in whole process of developing product • Improve upon the existing techniques to increase process efficiency • Handle materials and tools safely and correctly • Maintain a clean and hazard free working area • Work in a comfortable position with the correct posture • Maintain a healthy lifestyle and guard against dependency on intoxicants • Maintain a safe and healthy working environment • Monitor the workplace and work processes for potential risks and threats 		

This course encompasses 7 out of 7 National Occupational Standards (NOS) of “Bamboo Basket Maker” Qualification Pack issued by “Handicrafts and Carpet Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction to trade</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> Learn about the role of Bamboo Basket Maker in industry. Identify the minimum requirement to become a certified bamboo basket maker. Describe the work area of Bamboo Basket Maker. Identify the opportunities available for Bamboo Basket Maker. 	Laptop, PowerPoint & Hand-outs, posters, film clips, white board, marker, projector
2	<p>Preparing Bamboo Silver</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HCS/N8711</p>	<ul style="list-style-type: none"> Make the bamboo sliver by handling the bamboo split in the right manner. Apply appropriate pressure on the bamboo split by using the hand saw to get the desired thickness of bamboo sliver. Make the bamboo sliver of the desired size from the splits. Measure & maintain the uniformity of the sliver to be achieved. Minimize and dispose the waste materials in the approved manner. Take safety precautions while drawing out the sliver. Identify and segregate the usable and the disposable bamboo slivers based on width, thickness, strength and color. Ensure uniform and complete drying. Minimize and dispose the waste materials in the approved manner. Take appropriate amount (weight/number of pieces as per market demand) of bamboo slivers from the bulk lot. Undertake precautions while storage to avoid moisture 	Laptop, white board, marker, projector, PPTs, Handbook, Bamboo splits, hand saw, measuring tape, thickness measuring tool, moisture tester
3	<p>Making Bamboo Basket</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 24:00</p> <p>Corresponding NOS Code</p>	<ul style="list-style-type: none"> Take specific type (based on width & length) of bamboo slivers suitable for preparing the two dimensional base structure. Plan out the base & fix it (specifically for round base) to obtain a rigid structure. Ensure that the base structure is fixed in a proper manner before weaving bamboo slivers on to the base structure. Make the two dimensional bamboo sliver base according to required 	Laptop, white board, marker, projector, PPTs, Handbook, Video, bamboo slivers, threads for twinning, scissors, trimmer

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	HCS/N8712	<p>design & pattern.</p> <ul style="list-style-type: none"> Ask questions to obtain more information on tasks when the instructions you have are unclear. To be able to work according to specified shape of bamboo basket. Check that the materials to be used are free from faults. Do basic weaving in the given structure/frame. Analyze and maintain uniform gap between the slivers as per the given specification. Analyze and maintain compactness of the sliver to ensure rigidity of the structure. Analyze and carry out the bending wherever required according to the shape & size of the product to be achieved. Analyze and maintain quality in giving shapes. Ensure proper handling in making the basketry product to avoid any breakage. Detect faults & defects. Solve & rectify the faults 	
4	<p>Finishing and Storage</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 16:00</p> <p>Corresponding NOS Code HCS/N8713</p>	<ul style="list-style-type: none"> Appropriate usage of clipping tool. Cut the extra edges neatly to give the fine finished look. Analyze and apply glue to fix the edges. Handle the bamboo basket properly to avoid any breakage. Dispose the waste materials in the approved manner. Carry out operations at a rate which maintains workflow. Respond appropriately in case of any errors or faults in the bamboo and other operations. Leave work area safe and secure when work is complete. Maintaining the work place clean. Maintaining sharpness of clipping tool. Take safety precaution while clipping. Check & ensure the quality of the final product based on desired specifications. Maintain the workplace clean Dispose the waste materials safely in approved manner. Take precautions while stacking the lot of basket avoiding any breakage Store the lot of basket in a dry area avoiding direct contact with the ground. 	Laptop, white board, marker, projector, PPTs, Handbook, Glue, dry storage area, racks for storage, trimming tools, scissors, varnish, sprayer, brush, thinner, pesticides

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<p>to do so</p> <ul style="list-style-type: none"> Take action based on instructions in the event of fire, emergencies or accidents 	
8	<p>Team Work</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 08:00</p> <p>Corresponding NOS Code HCS/N9908</p>	<ul style="list-style-type: none"> Be accountable to one's own role in whole process of developing product Perform all roles with full responsibility Be effective and efficient at workplace Properly communicate about organization policies Talk politely with other team members and colleagues Adjust in different work situations Give due importance to others' point of view Avoid conflicting situations Develop new ideas for work procedures 	Laptop, white board, marker, projector, PPTs
9	<p>Entrepreneurship and Softskills</p> <p>Theory Duration (hh:mm) 40:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code Additional</p>	<ul style="list-style-type: none"> Explain the meaning of health List common health issues Discuss tips to prevent common health issues Explain the meaning of hygiene Understand the purpose of Swacch Bharat Abhiyan Recall the functions of basic computer keys Discuss the main applications of MS Office Discuss the benefits of Microsoft Outlook Discuss the different types of e-commerce List the benefits of e-commerce for retailers and customers Discuss how the Digital India campaign will help boost e-commerce in India Explain how you will sell a product or service on an e-commerce platform Discuss the need for CRM Discuss the benefits of CRM Discuss the need for networking Discuss the benefits of networking Understand the importance of setting goals Differentiate between short-term, medium-term and long-term goals Discuss how to write a business plan Explain the financial planning process 	Handbook, White board, marker, computer system, projector, PPTs
10	<p>Digital Literacy</p> <p>Theory Duration (hh:mm) 20:00</p>	<ul style="list-style-type: none"> Discuss the functions of Windows 7 or Windows 8 Discuss the functions of Microsoft Office Describe the basics of computers Know how to use internet and world 	Computer system, internet connection, note book

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 00:00 Corresponding NOS Code Additional	<p>wide web</p> <ul style="list-style-type: none"> Understand the computer security and privacy concepts 	
11	Practice Sessions Theory Duration (hh:mm) 00:00 Practical Duration (hh:mm) 56:00 Corresponding NOS Code N/A	<ul style="list-style-type: none"> 7 Practice sessions under trainer guidance on bamboo basket making of different shapes and sizes. 	Laptop, white board, marker, projector, PPTs, Handbook, Bamboo splits, hand saw, measuring tape, thickness measuring tool, moisture tester, Protective gears like goggles, mask, gloves. Cleaning tools, electricity tester, accident report sheet, bamboo silvers, threads for twinning, scissors, trimmer, Glue, dry storage area, racks for storage, trimming tools, scissors, varnish, sprayer, brush, thinner, pesticides
	Total Duration Theory Duration 70:00 Practical Duration 170:00	Unique Equipment Required: Laptop, white board, marker, projector, PPTs, Handbook, Bamboo splits, hand saw, measuring tape, thickness measuring tool, moisture tester, Protective gears like goggles, mask, gloves. Cleaning tools, electricity tester, accident report sheet, bamboo silvers, threads for twinning, scissors, trimmer, Glue, dry storage area, racks for storage, trimming tools, scissors, varnish, sprayer, brush, thinner, pesticides	

Grand Total Course Duration: **240 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by Handicrafts and Carpet Sector Skill Council)

Trainer Prerequisites for Job role: “Bamboo Basket Maker” mapped to Qualification Pack: “HCS/Q8704, v1.0”

Sr. No.	Area	Details
1	Description	A bamboo Basket Maker is the one who prepares the bamboo slivers from bamboo split and makes the basket of desired shape & size by interlacing the slivers.
2	Personal Attributes	A Bamboo Basket Maker should have good eyesight, hand-eye coordination and vision (including near vision, distance vision, colour vision, peripheral vision, depth perception and ability to change focus).
3	Minimum Educational Qualifications	Preferable Class V Pass (Primary Education)
4a	Domain Certification	Certified for Job Role: “ <u>Bamboo Basket Maker</u> ” mapped to QP: “ <u>HCS/Q8704, v1.0</u> ”. Minimum accepted score is 70%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/Q1402”. Minimum accepted % as per respective SSC guidelines is 60%.
5	Experience	Minimum 3 years of experience in undertaking bamboo basket production supervision as well as training/conducting/assisting training or workshops in the handicrafts sector.

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Bamboo Basket Maker
Qualification Pack	HCS/Q8704, v1.0
Sector Skill Council	Handicrafts and Carpet

Sr. No.	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 each PC.
2	Each NOS will assessed both for theoretical knowledge and practical
3	The assessment will be based on knowledge bank of questions created by the SSC.
4	Individual assessment agencies will create unique question papers for theory and skill practical part for each candidate at each examination/training centre
5	To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS
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

Assessable Outcome	Assessment Criteria	Total Mark (600)	Out Of	Marks Allocation	
				Theory	Skills Practical
1. HCS/N 8711 (Carry out preparation of bamboo slivers)	PC1. Appropriately use the Hand Saw.	100	7	2	5
	PC2. Make the bamboo sliver by handling the bamboo split in the right manner.		7	2	5
	PC3. Apply appropriate pressure on the bamboo split by using the hand saw to get the desired thickness of Bamboo sliver.		7	3	4
	PC4. Make the Bamboo sliver of the desired size from the splits.		7	3	4
	PC5. Measure & maintain the uniformity of the sliver to be achieved.		7	3	4
	PC6. Minimise and dispose the waste materials in the approved manner.		7	3	4
	PC7. Carry out operations at a rate which maintains workflow.		7	3	4
	PC8. Respond appropriately incase of any errors or faults in the bamboo and other operations.		5	2	3
	PC9. Leave work area safe and secure when work is complete.		7	3	4
	PC10. Maintain the sharpness of handsaw.		7	3	4
	PC11. Take safety precautions while drawing out the sliver.		7	3	4
	PC12. Identify and segregate the usable and the disposable bamboo slivers based on width, thickness, strength and colour.		5	2	3
	PC13. Ensure uniform and complete drying.		5	2	3
	PC14. Minimise and dispose the waste materials in the approved manner.		5	2	3
	PC15. Take appropriate amount (weight/number of pieces as per market demand) of bamboo slivers from the bulk lot.		5	2	3
	PC16. Undertake precautions while storage to avoid moisture.		5	2	3
	TOTAL	100	40	60	
2. HCS/N 8712 (Carry out weaving & twining of bamboo slivers to achieve the final product as per requirement)	PC1. Take specific type (based on width & length) of bamboo slivers suitable for preparing the two dimensional base structure.	100	7	2	5
	PC2. Plan out the base & fix it (specifically for round base)to obtain a rigid structure.		7	2	5
	PC3. Ensure that the base structure is fixed in a proper manner before weaving bamboo slivers on to the base structure.		7	3	4
	PC4. Make the two dimensional Bamboo sliver base according to required design & pattern.		7	3	4
	PC5. Ask questions to obtain more information on tasks when the instructions you have are		5	2	3

Assessable Outcome	Assessment Criteria	Total Mark (600)	Out Of	Marks Allocation	
				Theory	Skills Practical
	unclear.				
	PC6. To be able to work according to specified shape of Bamboo basket.		5	2	3
	PC7. Check that the materials to be used are free from faults.		5	2	3
	PC8. Conform to organisation's quality standards.		5	2	3
	PC9. Report any damaged work to the responsible person.		5	2	3
	PC10. Leave work area safe and secure when work is complete free from hazards.		5	2	3
	PC11. Take appropriate slivers (based on width & length) for weaving according to shape,size,colour & Design pattern required in making specific basketry product.		5	2	3
	PC12. Do basic weaving in the given structure/frame.		5	2	3
	PC13. Analyze and maintain uniform gap between the slivers as per the given specification.		5	2	3
	PC14. Analyze and maintain compactness of the sliver to ensure rigidity of the structure.		5	2	3
	PC15. Analyze and carry out the bending wherever required according to the shape & size of the product to be achieved.		5	2	3
	PC16. Analyze and maintain quality in giving shapes.		5	2	3
	PC17. Ensure proper handling in making the basketry product to avoid any breakage.		4	2	2
	PC18. Detect faults & defects.		4	2	2
	PC19. Solve & rectify the faults		4	2	2
		TOTAL	100	40	60
3. HCS/N 8713 (Finishing, varnishing, drying & storage of bamboo basket)	PC1. Appropriate usage of clipping tool.	100	5	2	3
	PC2. Cut the extra edges neatly to give the fine finished look.		5	2	3
	PC3. Analyze and apply glue to fix the edges.		5	2	3
	PC4. Handle the Bamboo basket properly to avoid any breakage.		5	2	3
	PC5. Dispose the waste materials in the approved manner.		5	2	3
	PC6. Carry out operations at a rate which maintains workflow.		5	2	3
	PC7. Respond appropriately incase of any errors or faults in the bamboo and other operations.		5	2	3

Assessable Outcome	Assessment Criteria	Total Mark (600)	Out Of	Marks Allocation	
				Theory	Skills Practical
	PC8. Leave work area safe and secure when work is complete.		5	2	3
	PC9. Maintaining the work place clean.		5	2	3
	PC10. Maintaining sharpness of clipping tool.		5	2	3
	PC11. Take safety precaution while clipping.		5	2	3
	PC12. Carry out effective drying of the basket to reduce moisture content.		3	1	2
	PC13. Take precautions while placing the baskets in a dust free area while drying.		5	2	3
	PC14. Handle the brush or sprayer properly.		5	2	3
	PC15. Prepare the solution of Varnish by adding an appropriate amount of thinner.		4	1	3
	PC16. Take appropriate amount of solution to be applied on the Bamboo Basketry product.		4	1	3
	PC17. Apply solution on the bamboo basketry product uniformly.		3	1	2
	PC18. Handle the Basket properly while doing varnishing.		3	1	2
	PC19. Ensure uniform and complete drying in sunlight to avoid stickiness.		3	1	2
	PC20. Check & ensure the quality of the final product based on desired specifications.		3	1	2
	PC21. Maintain the workplace clean		3	1	2
	PC22. Dispose the waste materials safely in approved manner.		3	1	2
	PC23. Take precautions while stacking the lot of basket avoiding any breakage		3	1	2
	PC24. Store the lot of basket in a dry area avoiding direct contact with the ground.		3	1	2
	TOTAL		100	37	63
4. HCS/N 8714 (Contribute to achieve quality bamboo basket making)	PC1. Identify and use raw materials as per the specifications provided	100	10	4	6
	PC2. Take the necessary action when materials do not conform to quality standards		10	4	6
	PC3. Report and replace identified faulty materials and component parts which do not meet specification		10	4	6
	PC4. Identify modifiable defects and rework on them		10	4	6
	PC5. Carry out work safely and at a rate which maintains work flow		10	4	6
	PC6. Report to the responsible person when the work flow of other production areas disrupts work		10	4	6
	PC7. Carry out quality checks at specified		10	4	6

Assessable Outcome	Assessment Criteria	Total Mark (600)	Out Of	Marks Allocation	
				Theory	Skills Practical
	intervals according to instructions				
	PC8. Apply the allowed tolerances		10	4	6
	PC9. Identify faults and take appropriate action for rectification		10	4	6
	PC10. Maintain the required productivity and quality levels		10	4	6
		TOTAL	100	40	60
		TOTAL	100	29	71
5. HCS/N9908 (Working in a team)	PC1. Be accountable to one's own role in whole process of developing product	100	12	4	8
	PC2. Perform all roles with full responsibility		10	3	7
	PC3. Be effective and efficient at workplace		10	3	7
	PC4. Properly communicate about organisation's policies		8	4	4
PC5. Talk politely with other team members and colleagues	10		3	7	
	PC6. Adjust in different work situations		10	3	7
	PC7. Give due importance to others' point of view		10	3	7
	PC8. Avoid conflicting situations		10	2	8
	PC9. Develop new ideas for work procedures		8	2	6
	PC10. Improve upon the existing techniques to increase process efficiency		12	2	10
	TOTAL	100	29	71	
6. HCS/N 9912 (Maintain work area and tools)	PC1. Handle materials and tools safely and correctly	100	8	2	6
	PC2. Use materials to minimize waste		10	3	7
	PC3. Maintain a clean and hazard free working area		10	3	7
	PC4. Maintain the tools used for stick making		8	2	6
	PC5. Carry out maintenance and/or cleaning within one's responsibility		10	3	7
	PC6. Report damaged tools and materials		12	4	8
	PC7. Work in a comfortable position with correct posture		10	3	7
	PC8. Dispose of waste safely in designated location		12	4	8
	PC9. Store tools safely after use		10	3	7
	PC10. Carry out cleaning according to schedules and limits of responsibility		10	3	7
			TOTAL	100	30
7. HCS/N 9913 (Maintain health, safety and	PC1. Comply with health and safety related instructions applicable to the workplace	100	8	2	6
	PC2. Use and maintain personal protective		8	2	6

Assessable Outcome	Assessment Criteria	Total Mark (600)	Out Of	Marks Allocation	
				Theory	Skills Practical
security at workplace)	equipment as per protocol				
	PC3. Carry out own activities in line with approved guidelines and procedures		8	2	6
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		8	2	6
	PC5. Follow environment management system related procedures		6	2	4
	PC6. Store materials and tools in line with manufacturer's and organisational requirements		5	2	3
	PC7. Safely handle and move waste and debris		4	1	3
	PC8. Minimize health and safety risks to self and others due to own actions		6	2	4
	PC9. Seek clarifications from supervisors or other authorized personnel in case of perceived risks		4	1	3
	PC10. Monitor the workplace and work processes for potential risks and threats		4	1	3
	PC11. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		5	2	3
	PC12. Report hazards and potential risks/ threats to supervisors or other authorized personnel		7	3	4
	PC13. Participate in mock drills/ evacuation procedures organised at the workplace		5	2	3
	PC14. Undertake first aid, fire fighting and emergency response training, if asked		6	2	4
	PC15. Take action based on instructions in the event of fire, emergencies or accidents		8	2	6
	PC16. Follow organisation evacuation procedures		8	2	6
		TOTAL		100	30