

Model Curriculum

1. Bamboo Basket maker

SECTOR: HANDICRAFTS AND CARPET
SUB-SECTOR: HANDICRAFTS (BAMBOO)
OCCUPATION: BAMBOO BASKET MAKER
REF ID: HCS/Q8704, V1.0
NSQF LEVEL: 3



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HANDICRAFTS AND CARPET SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: '**Bamboo Basket Maker**' No. '**HCS/Q 8704 NSQF Level 3**'

Date of Issuance: **June 29th, 2015**

Valid up to: **June 28th, 2017**

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



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/Q8704, v1.0		
Version No.	1.0	Version Update Date	29/06/2015
Pre-requisites to Training	Basic literacy, preferably 5th class pass		
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 NOS (National Occupational Standards) 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</p> <p>Theory Duration (hh:mm) 05:00</p> <p>Practical Duration (hh:mm) 05:00</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>Carry out preparation of bamboo slivers</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 30:00</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>Carry out weaving & twining of bamboo slivers to achieve the final product as per requirement</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 40:00</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 design & pattern. Ask questions to obtain more 	Laptop, white board, marker, projector, PPTs, Handbook, Video, bamboo slivers, threads for twinning, scissors, trimmer

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Corresponding NOS Code HCS/N8712</p>	<p>information on tasks when the instructions you have are unclear.</p> <ul style="list-style-type: none"> 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>Carry out finishing, varnishing, drying & storage of bamboo basket</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 25:00</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
5	<p>Contribute to achieve quality in bamboo basket making</p>	<ul style="list-style-type: none"> Take the necessary action when materials do not conform to quality standards 	Laptop, white board, marker, projector, Sand

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Theory Duration (hh:mm) 8:00</p> <p>Practical Duration (hh:mm) 22:00</p> <p>Corresponding NOS Code HCS/N 8714</p>	<ul style="list-style-type: none"> Report and replace identified faulty materials and component parts which do not meet specification Identify modifiable defects and rework on them Carry out work safely and at a rate which maintains work flow Report to the responsible person when the work flow of other production areas disrupts work Carry out quality checks at specified intervals according to instructions Apply the allowed tolerances Identify faults and take appropriate action for rectification Maintain the required productivity and quality levels 	<p>paper, paint, thread of different strengths and colour, trimming tool, cutter/ scissors, scale, measuring tape, cutting table</p>
6	<p>Working in a team</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 14:00</p> <p>Corresponding NOS Code HCS/N 9908</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 	<p>Laptop, white board, marker, projector, PPTs</p>
7	<p>Maintain work area and tools</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 14:00</p> <p>Corresponding NOS Code HCS/N 9912</p>	<ul style="list-style-type: none"> Handle materials and tools safely and correctly Use materials to minimize waste Maintain a clean and hazard free working area Maintain the tools Carry out maintenance and/or cleaning within one's responsibility Report damaged tools & materials Work in a comfortable position with the correct posture Dispose of waste safely in the designated location Store cleaning equipment safely after use Carry out cleaning according to schedules and limits of responsibility 	<p>Laptop, white board, marker, projector, Protective gears like goggles, mask, gloves. Cleaning tools, electricity tester, accident report sheet</p>
8	<p>Maintain health, safety and security at workplace</p> <p>Theory Duration (hh:mm) 08:00</p>	<ul style="list-style-type: none"> Comply with health and safety related instructions applicable to the workplace Use and maintain personal protective equipment as per protocol Carry out own activities in line with approved guidelines and procedures 	<p>Laptop, white board, marker, projector, PPE for chemical work and machining, Fire Extinguisher, First-</p>

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Practical Duration (hh:mm) 16:00</p> <p>Corresponding NOS Code HCS/N 9913</p>	<ul style="list-style-type: none"> • Maintain a healthy lifestyle and guard against dependency on intoxicants • Follow environment management system related procedures • Report hazards and potential risks/ threats to supervisors or other authorized personnel • Participate in mock drills/ evacuation procedures organized at the workplace • Undertake first aid, fire-fighting and emergency response training, if asked to do so • Take action based on instructions in the event of fire, emergencies or accidents 	Aid Kit
	<p>COMPULSORY NOS: Total Duration</p> <p>Theory Duration 74:00</p> <p>Practical Duration 166:00</p>	<p>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</p>	

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	10 th pass
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 80%
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 70%.
5	Experience	<ul style="list-style-type: none"> • Total 3 Years experience, • 2 Years of sector-specific experience, • Min. 1 year of teaching experience

Annexure: Assessment Criteria

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role : Bamboo Basket Maker
Qualification Pack : HCS/Q8704
Sector Skill Council : Handicrafts and Carpet 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 and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
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.

		Total Marks (700)	Out of	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 unclear.		5	2	3
	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 company 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,	PC1. Appropriate usage of clipping tool.	100	5	2	3
	PC2. Cut the extra edges neatly to give the		5	2	3

varnishing, drying & storage of bamboo basket)	fine finished look.				
	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	
	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 whie 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		10	4	6

	disrupts work				
	PC7. Carry out quality checks at specified intervals according to instructions		10	4	6
	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	70
7. HCS/N 9913 (Maintain health, safety and security at workplace)	PC1. Comply with health and safety related instructions applicable to the workplace	100	8	2	6
	PC2. Use and maintain personal protective equipment as per protocol		8	2	6
	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		5	2	3

with manufacturer's and organisational requirements				
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	70