

Model Curriculum

Bent Laminated Furniture Maker

SECTOR: FURNITURE & FITTINGS
SUB-SECTOR: Cane and Bamboo Furniture
OCCUPATION: Furniture Making
REF ID: FFS/Q4103, V1.0
NSQF LEVEL: 3

Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

FURNITURE & FITTINGS SKILLS COUNCIL

for

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **Bent Laminated Furniture Maker'**
QP No. **'FFS/Q4103, V1.0, NSQF Level 3'**

Date of Issuance: May 15th, 2019

Valid up to*: May 5th, 2020

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


Authorized Signatory
(Furniture & Fittings Skill Council)

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Bent Laminated Furniture Maker

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Bent Laminated Furniture Maker”, in the “Furniture & Fittings” Sector/Industry and aims at building the following key competencies amongst the learner.

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| Program Name | Bent Laminated Furniture Maker | | |
| Qualification Pack Name & Reference ID | FFS/Q4103, V 1.0 | | |
| Version No. | 1.0 | Version Update Date | 04/10/2019 |
| Pre-requisites to Training | Class V | | |
| Training Outcomes | <p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • use basic tools, equipment and materials effectively • carry out measuring, marking and cutting of bamboo • make moulded component for bamboo furniture • perform quality check at regular intervals • maintain the work area, tools and equipment • maintain environment, health and safety • work effectively with others | | |

This course encompasses 4 out of 4 NOS (National Occupational Standards), of “Bent Laminated Furniture Maker” Qualification Pack issued by “Furniture & Fittings Skill Council”.

| Sr No | Module | Key Learning Outcomes | Equipment required |
|-------|---|---|-----------------------------|
| 1 | Introduction to the furniture and fittings industry Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code Bridge Module | <ul style="list-style-type: none"> Discuss about the furniture and fittings industry Explain the role and responsibilities of bent laminated furniture maker and its job opportunities in the industry Discuss about career path of bent laminated furniture maker | |
| 2 | Understanding the organizational context/ company/ employer Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 00:00 Corresponding NOS Code FFS/N4106 | <ul style="list-style-type: none"> Explain the importance of code of conduct, policies, manuals, rules, and regulation followed in a typical organization Describe organization structure and hierarchy followed in a typical organization Describe functions of different divisions/ teams of an organization | |
| 3 | Environment safety Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 04:00 Corresponding NOS Code FFS/N8601 | <ul style="list-style-type: none"> Explain the importance of maintaining a healthy and safe work environment Differentiate between the potential risk, hazard and threat at the workplace List the safety, ergonomic, physical, biological, and chemical hazards at workplace Explain the precautionary measures to be taken to prevent different hazards Discuss the ways of undertaking the first aid activities in case of different types of accidents List various do's and don'ts of good housekeeping practices Explain various safety signs/ instructions Discuss the restrictions imposed on | Safety signs, first aid box |

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| | | harmful materials while working at workplace | |
| 4 | <p>Working safety</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 24:00</p> <p>Corresponding NOS Code FFS/N4106</p> | <ul style="list-style-type: none"> List different personal protective equipment Demonstrate the use of personal protective equipment/ protective clothing Demonstrate how to keep correct body posture while standing, working, lifting and carrying heavy materials Explain the importance of leaving the machine in a safe condition on completion of activities Describe the hazards associated with cutting operations Demonstrate the method of minimising the hazards Explain the importance of keeping work area free of clutters to carry out machining work smoothly | Masks, safety glasses, head protection, ear muffs, safety footwear, gloves, aprons, first aid box, different types of fire extinguisher |
| 5 | <p>Handling emergencies</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code FFS/N8601</p> | <ul style="list-style-type: none"> List the precautionary measures for prevention of accidents at the workplace List various common causes and types of fires List the common types of fire extinguishers Demonstrate the use of fire extinguishers on different types of fires Describe the evacuation procedures to be followed in case of an emergency, accident, fire, or a natural calamity Demonstrate how to free a person from electrocution Demonstrate the correct rescue techniques applied during fire hazards Explain the importance of responding promptly and accurately to an accident situation | Gloves, safety shoes, earplugs, goggles, nose mask, first aid box, different types of fire extinguisher |
| 6 | <p>Communication skills</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code</p> | <ul style="list-style-type: none"> State the importance of possessing effective communication skills Explain the importance of setting up good working relationship with others Explain the significance of active listening, correct receiving of information and instructions Describe the importance of seeking assistance/ clarification from supervisor/ senior Describe the importance of discipline, ethics, and integrity for professional success Explain the reporting protocol in case | |

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| | FFS/N8801 | <p>of queries on procedures, products, or any problem</p> <ul style="list-style-type: none"> Demonstrate how to communicate effectively with others | |
| 7 | <p>Teamwork</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 04:00</p> <p>Corresponding NOS Code FFS/N8801</p> | <ul style="list-style-type: none"> Discuss the importance of coordination with colleagues to achieve work objectives Explain the importance of sharing information with team wherever and whenever required to enhance quality and productivity at workplace Discuss how to manage interpersonal conflict Describe the significance of interacting politely with team members State the importance of following dress code at workplace Participate in team building activities effectively | |
| 7 | <p>Understand the work requirement</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 16:00</p> <p>Corresponding NOS Code FFS/N4106</p> | <ul style="list-style-type: none"> List different types of furniture products in bamboo List different types of bamboo and its use in furniture making Explain bamboo treatment process List out the preparatory work for making the bent laminated furniture component List out the various components of 2D and 3D drawings Demonstrate way of interpretation of the drawings Demonstrate the steps of preparatory work of bent laminated furniture component | Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner |
| 8 | <p>Measuring, marking and cutting bamboo</p> <p>Theory Duration (hh:mm) 12:00</p> <p>Practical Duration (hh:mm) 48:00</p> <p>Corresponding NOS Code FFS/N4106</p> | <ul style="list-style-type: none"> Explain the basic units of measurements Demonstrate way of measuring and marking bamboo culms Demonstrate way of cutting bamboo culms in different sizes as per given specification by minimising waste | Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner |
| 9 | <p>Make furniture components</p> | <ul style="list-style-type: none"> Explain about different adhesives and solutions used for making moulded shape | Mould of different shapes as per design requirement, glue |

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| | <p>Theory Duration (hh:mm) 16:00</p> <p>Practical Duration (hh:mm) 48:00</p> <p>Corresponding NOS Code FFS/N4106</p> | <ul style="list-style-type: none"> • Explain the step by step process of making furniture components • Demonstrate way of applying adhesive on bamboo strips • Demonstrate operation of glue applicator machine • Demonstrate way of making moulded components • Demonstrate way of cutting and assembling laminated parts using cutting machine | <p>applicator machine and hot press</p> <p>Pre-treated bamboo sticks/slivers, uniform bamboo strips, urea formaldehyde resin, phenol resin, tape, chisel set, knife, width seizers, scissors, hammer, brush etc.</p> |
| 11 | <p>Quality Control</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 24:00</p> <p>Corresponding NOS Code FFS/N8401</p> | <ul style="list-style-type: none"> • Explain the importance of carrying out quality checks at specified intervals • Demonstrate the method of identifying defects and irregularities • Demonstrate how to correct and modify the amendable or adjustable defects | <p>Pre-treated bamboo sticks/slivers, uniform bamboo strips, urea formaldehyde resin, phenol resin, tape, chisel set, knife, width seizers, scissors, hammer, brush etc.</p> <p>Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner</p> |
| | <p>Total Duration</p> <p>Theory Duration 84:00</p> <p>Practical Duration 176:00</p> | <p>Unique Equipment Required for the QP: Mould of different shapes as per design requirement, glue applicator machine and hot press Pre-treated bamboo sticks/slivers, uniform bamboo strips, urea formaldehyde resin, phenol resin, tape, chisel set, knife, width seizers, scissors, hammer, brush etc. Bamboo cross cutting machine, hand held bamboo splitter, hot air gun, edge trimmer machine, hand engraver machine, stand drill machine, stand zig saw, chalk liner Mould of different shapes as per design requirement, glue applicator machine and hot press Gloves, safety shoes, earplugs, goggles, nose mask, first aid box, different types of fire extinguisher</p> <p>Classroom Aids: Whiteboard, marker, duster</p> | |

Grand Total Course Duration: 260 Hours

*(This syllabus/ curriculum has been approved by **Furniture & Fittings Skill Council**)*

Trainer Prerequisites for Job role: “Bent Laminated Furniture Maker” mapped to Qualification Pack: “FFS/Q4103”

| Sr. No. | Area | Details |
|---------|---|---|
| 1 | Description | To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “FFS/Q4103”. |
| 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, well organized and focused, eager to learn and keep oneself updated with the latest trends in the mentioned field |
| 3 | Minimum Educational Qualifications | Minimum 10 th pass Minimum age 25 years |
| 4a | Domain Certification | Certified for Job Role: “Bent Laminated Furniture Maker- FFS/Q4103” mapped to QP: “FFS/Q4103”. Minimum accepted score 80% as per the FFSC guideline. |
| 4b | Platform Certification | Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q2601”. Minimum accepted score as per respective FFSC guideline is 80%. |
| 5 | Experience | <ul style="list-style-type: none"> Minimum five years of relevant experience in bamboo furniture and moulded component making |

Annexure: Assessment Criteria

Please refer to the QP PDF for the Assessment Criteria.