

Model Curriculum: Lead Carpenter-Wooden Furniture

7	Technical Drawing	<ul style="list-style-type: none"> Types of Drawing -Elevation, Plan, 3D and 2D, Section etc. Practical Demonstrate how to read and interpret it on white board by Trainer 	FFS/N 0106,	Classroom lecture/ PPT session Classroom	Furniture drawing Catalogue	04:00 Hours (Theory 02:00 Hours Practical 02:00 Hours)
8	Measurement and calculations	<ul style="list-style-type: none"> Measurement -Types of measurement systems- FPS and MKS Calculations Plus, Minus, multiply, divide etc. in both measurement system Calculations and costing of materials used in wooden furniture -woods, panel, hardware etc. Practical Demonstrate how to measure the wood in MKS and FPS Demonstrate how to calculate the wood and materials Demonstrate how to calculate the cost of furniture 	FFS/N 0106,	Classroom lecture/ PPT session Classroom Demonstrate by Trainer	Measurement Tools	06:00 Hours (Theory 02:00 Hours Practical 04:00 Hours)
9	Electric Tools used in wooden furniture	<ul style="list-style-type: none"> Introduction and usage of Power Tools -Electric Planer, Electric Drill Machine, Electric Circular saw, Electric Router, Jig saw, Sander Practical Demonstration of safe usage of all power tools 	FFS/N 0107	Classroom lecture/ PPT session Demonstrate by Trainer	Power Tools- Planer, Router, Circular Saw, Jig Saw, Sander, Impact Drill Machine	02:00 Hours (Theory 01:00 Hours Practical 01:00 Hours)
10	Introduction of Machines used in wooden Carpentry	<ul style="list-style-type: none"> Introduction and work of machine: - Surface Planer with gauge, Panel saw/Table circular saw, Band saw, Chain/chisel Mortiser, CNC Router etc. Practical Demonstration of safe usage of all machines 	FFS/N 0107	Demonstrate by ppt/video	Optional (Electric Power tool or Advance machines)	

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11	Manual Tools used in wooden furniture	<p>Introduction of Manual Tools-</p> <ul style="list-style-type: none"> • Measurement Tools-Measurement Tape, Steel Rule, Callipers • Planning Tools: -Jack Plane, Smoothing Plane, Spoke Shave, Compass Plane • Marking Tools-Pencil, Marking Knife, Marking Thread • Striking /Hammering Tools: -Cross Peen Hammer, Mallet • Cutting/Sawing Tools: -Hand Saw, Compass Saw, Tenon Saw, Coping Saw • Drilling Tools: - Hand Drill, Flat Drill Bit, Centre Point Drill Bit Set, Hinges Boring Drill Bits • Sharpening Tools: - Oil Stone, Triangular Files • Chipping Tools: - Firmer Chisel, Bevel Chisel, Mortise Chisel • Testing Tools: - Try Square, Mitre Square, Sprit Level, Water Level Pipe 	FFS/N 0107	Classroom lecture/ PPT session/Demonstration	<p>Measurement Tools, Planning Tools, Sawing Tools, Marking Tools, Testing Tools, Chipping Tools, Holding Tools, Boring Tools, Filling Tools, Supportive Tools</p>	<p>08:00 Hours</p> <p>(Theory 03:00 Hours Practical 05:00 Hours)</p>
12	Hardware and Accessories	<ul style="list-style-type: none"> • Types of Nails, • Types of Hinges- Butt Hinges, Auto Closing Hinges (0 Crank, 9.5 Crank, 16 Crank) • Types of Handle: - Cabinet Handle, Door Handle, Knob • PVC Edge Banding Tape • Types of Screw- Slotted Head, Philip Head, Pozidrive, Counter Sunk (CSK) Etc • Types of Drawer Channel/Runner: - Telescopic, Bottom Mounted, Under Mounted Etc <p>Practical</p> <ul style="list-style-type: none"> • Demonstrate How to Apply/Fix Hardware and Fittings in Furniture-Hinges, Drawer Channels, Handle Etc. 	FFS/N 0107	<p>Classroom lecture/ PPT session</p> <p>Demonstrate by Trainer</p>	<p>Different Types of Nails, Screw, Hinges, Handles, Locks, PVC Edge Banding Tape, Locks Drawer Channels/Runner, Handle</p>	<p>05:00 Hours</p> <p>(Theory 02:00 Hours Practical 03:00 Hours)</p>
13	Process of marking, cutting etc.	<ul style="list-style-type: none"> • Introduction and learn correct method of Marking, cutting, shaping of wood/panels with appropriate tools and Equipment 	FFS/N 0107	Classroom lecture/ PPT session	Measurement and Marking Tools	<p>04:00 Hours</p> <p>(Theory 02:00 Hours Practical 02:00 Hours)</p>

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14	Wooden Joint-for making wooden furniture	<p>Types of Joints-</p> <ul style="list-style-type: none"> • Lengthen Joint-scarf Joint, Dovetail Joint etc. • Width wise Joint-tongue and groove, groove and feather Reinforce dowel butt joint etc • Framing Joint-Mortise and Tenon, Half lap joint, Bridle Joint, Dado Joint Mitre joint etc • Box Joint- Butt Joint, finger joint, Dovetail Joints etc <p>Practical</p> <ul style="list-style-type: none"> • Demonstration use and making process of all joints 	FFS/N 0107	Classroom lecture/ PPT session	Demo/sample of all joints	07:00 Hours (Theory 03:00 Hours Practical 04:00 Hours)
15	Introduction of lock used in wooden furniture	<ul style="list-style-type: none"> • Introduction and types of Lock: - Mortise Lock, Rim lock, Cylindrical Lock, cam lock, Dead Lock etc • correct method of Installation lock • Required Tools & Machines for installation lock <p>Practical</p> <ul style="list-style-type: none"> • Demonstrate installation of all furniture lock 	FFS/N 5703 FFS/N 5704	Classroom lecture/ PPT session/Video	Mortise Lock, Rim Lock, Cylindrical Lock, Dead Lock, Cam Lock etc.	07:00 Hours (Theory 03:00 Hours Practical 04:00 Hours)
14	Types of Doors	<ul style="list-style-type: none"> • Types of Door-Flush Door, Double Leaf Door, Louver Door, Wire mesh Door, Glazing/Glass Door, Sliding Door 			Catalogue of Doors	
15	Service and Repair	<ul style="list-style-type: none"> • Servicing and repairing of lock used in wooden furniture • Name of locks parts • Locks repairing tools <p>Practical</p> <ul style="list-style-type: none"> • Demonstrate repairing and servicing of lock 		Demonstrate by Trainer	Lock Safety Manual, Warranty Card, Lock Repairing Tools	
16	Assessment	Theory and Practical Assessment				08:00 Hours