

CARPENTER

(name of the programme)

Eil. No.	Parameters	Notes
1.	Title of learning programme	Carpenter
2.	General information	
2.1.	Relevance of the learning programme	<p>Studying the carpentry programme is relevant because it will enable you to:</p> <ul style="list-style-type: none"> - Describe hand-held and hand-held power tools for cabinetmaking. Prepare hand and hand-held electric cabinetmaker's tools for use. Perform woodworking operations with hand and hand-held power joinery tools. - Describe pneumatic cabinetmaker's tools. Prepare pneumatic cabinetmaker's tools for use. Perform woodworking operations with pneumatic cabinetmaker's tools.
2.2.	Aim and objectives	<p>The aim of the programme is to learn how to use hand-held, hand-held power and pneumatic woodworking tools.</p> <p>Objectives:</p> <ul style="list-style-type: none"> - Learn to work with wood using hand and power tools; - Learn how to work wood with pneumatic tools.
2.3.	Duration of the learning programme:	90
2.3.1.	Duration of practical contact work Academic hours	63
2.3.2.	Duration of theoretical contact work Academic hours	27
2.3.3.	Duration of self-study Academic hours	Not applicable
2.4.	Minimum requirements for the tenderer (if applicable):	Basic education.
2.5.	Method(s) of teaching the learning programme:	
2.5.1.	Curriculum blended learning	-
2.5.2.	Learning programme Teaching method Distance learning synchronous	-
2.5.3.	Learning programme teaching method contact	Contact (auditory)
2.6.	System/scale for assessing acquired competences	Credited / Not credited

2.7.	Learning Programme Annotation	This training programme is designed for those who want to acquire theoretical knowledge and practical skills in the use of hand-held, hand-held power and pneumatic woodworking tools.			
3.	Competences acquired or developed in a learning programme:				
	Competence(s)	Means of assessing the competence(ies) developed and/or acquired in the programme			
3.1.	General competences				
	Communicate using professional terms.	Not evaluated			
	Collect, process and store the information you need for your work.	Not evaluated			
	Organise your learning.	Not evaluated			
3.2.	Professional competences				
	Describe hand-held and hand-held power tools for cabinetmaking.	Credited / not credited			
	Prepare hand and power hand tools for work.	Credited / not credited			
	Perform woodworking operations using hand and power hand tools.	Credited / not credited			
	Describe pneumatic cabinetmaker's tools.	Credited / not credited			
	Prepare pneumatic cabinetmaker's tools for use.	Credited / not credited			
	Perform woodworking operations with pneumatic cabinetmaker's tools.	Credited / not credited			
4.	Learning programme content and methods				
	Eil. No.	Title of topic	Brief description of the topic	Methods of teaching (training)	Competences to be acquired/improved
	1.	Types and purpose of hand tools for woodworking	<ul style="list-style-type: none"> Hand tools for cutting, planing, chiselling, forging, drilling, turning, sanding, etc. Auxiliary manual woodworking equipment (leaf machines, clamps) Applications for hand tools (repair work, one-off products). 	Informative (imparting, consolidating and testing knowledge), Practical Operational (building knowledge and skills), Creative (developing a reflective and creative personality) Oral: explanation and lecture; Practical: demonstration and observation and exercises; Visual: practical work.	Describe hand-held and hand-held power tools for cabinetmaking.
	2.	Types and purpose of hand-held electric woodworking tools	<ul style="list-style-type: none"> Hand-held electric tools for cutting, planing, milling, drilling, turning, 		

			<p>sanding, etc.</p> <ul style="list-style-type: none"> • Auxiliary equipment for manual electric woodworking (leaf machines, multi-function tables, jigs, rulers, supports, clamps) • Applications for hand-held power tools (repair work, one-off products, furniture assembly) 		
3.	Preparation of the cabinetmaker's hand tools for use	<ul style="list-style-type: none"> • Worker safety when preparing hand-held and hand-operated electric cabinetmaking tools for use • Handsaw path shaping, teeth sharpening • Angle shaping of hand planes and chisel blades with electric sharpeners, blade setting with slow-speed electric sharpeners and hand sharpening stones 	<p>Informative (imparting, consolidating and testing knowledge), Practical Operational (building knowledge and skills), Creative (developing a reflective and creative personality) Oral: explanation and lecture; Practical: demonstration and observation and exercises; Visual: practical work.</p>	<p>Prepare hand and power hand tools for work.</p>	
4.	Preparation of hand-held electric cabinetmaker's tools for use	<ul style="list-style-type: none"> • Changing and adjusting cutting tools (milling cutters, saws, knives) • Setting, adjusting and adjusting support, guide rails, locking devices 			
5.	Woodworking with hand tools	<ul style="list-style-type: none"> • Worker safety in manual woodworking operations • Cutting with hand saws • Planing with hand planes • Forging with hand chisels • Manual grinding • Manufacture of simple compounds 	<p>Informative (imparting, consolidating and testing knowledge), Practical Operational (building knowledge and skills), Creative (developing a reflective and creative personality) Oral: explanation and lecture; Practical: demonstration and</p>	<p>Perform woodworking operations using hand and power hand tools.</p>	

			using hand tools	observation and exercises; Visual: practical work.	
6.	Woodworking with power hand tools	<ul style="list-style-type: none"> • Safety requirements for workers working with hand-held power tools • Cutting with hand-held electric saws (circular, chop saws) • Planing with hand-held electric planes • Milling with milling machines (edge rounding, chamfering, profiling, smooth milling, smoothing edges to existing surface or template using bearing milling cutters, milling of closed sockets) • Drilling, turning with electric and cordless drills, drills • Grinding with rotary, eccentric, linear and belt grinders 			Perform woodworking operations using hand and power hand tools.
7.	Types and purpose of pneumatic woodworking tools	<ul style="list-style-type: none"> • Pneumatic tools for drilling, twisting, grinding, forging, etc. • Pneumatic woodworking auxiliaries (leaf machines, multi-function tables, jigs, rulers, supports, clamps) 		Informative (imparting, consolidating and testing knowledge), Practical Operational (building knowledge and skills), Creative (developing a reflective and creative personality) Oral: explanation and lecture; Practical: demonstration and observation and exercises; Visual: practical work.	Describe pneumatic cabinetmaker's tools.
8.	Preparing pneumatic cabinetmaker's tools for use	<ul style="list-style-type: none"> • Worker safety when preparing pneumatic cabinetmaker's tools for use • Adjusting pressure, lubrication nodes • Filling fasteners (staples, nails) into 			Prepare pneumatic cabinetmaker's tools for use.

			tools <ul style="list-style-type: none"> • Changing, adjusting cutting tools • Setting, adjusting and adjusting support, guide rails, clamps 		
	9.	Woodworking with pneumatic tools	<ul style="list-style-type: none"> • Safety requirements for workers working with pneumatic tools • Grinding, drilling, twisting, stapling and nailing with pneumatic tools 	Perform woodworking operations with pneumatic cabinetmaker's tools.	
5.	Learning programme plan				
	Eil. No.	Title of topic	Hours to be allocated		
			Total	For theoretical teaching	For practical training
	1.	Types and purpose of hand tools for woodworking	5	2	3
	2.	Types and purpose of hand-held electric woodworking tools	7	3	4
	3.	Preparation of the cabinetmaker's hand tools for use	7	3	4
	4.	Preparation of hand-held electric cabinetmaker's tools for use	5	2	3
	5.	Woodworking with hand tools	19	5	14
	6.	Woodworking with power hand tools	18	4	14
	7.	Types and purpose of pneumatic woodworking tools	5	2	3
	8.	Preparing pneumatic cabinetmaker's tools for use	7	3	4
	9.	Woodworking with pneumatic tools	17	3	14
		Total	90	27	63
6.	Relevance of the acquired/improved competence to the competence(ies) for the relevant qualification(s) set out in the relevant		Not applicable		

	occupational standard (if the relevant occupational standard is adopted)	
7.	Preparing for non-formal adult education and training	
7.1.	Requirements for those delivering the Learning Programme:	
	1.	Have a qualification as a cabinetmaker or equivalent, or a degree in manufacturing engineering or equivalent, or at least 3 years' experience as a woodworker or cabinetmaker.
7.2.	A detailed description of the material and methodological resources required for the training, corresponding to the number of participants to be trained and to the aims and objectives of the programme.	
	Eil. No.	The resources used in the teaching process:
	1.	Training facilities A classroom or other room equipped with technical means (computer, video projector) for presenting teaching/learning material.
	2.	Equipment Practical training classroom (room) equipped with exhaust ventilation, work clothes, personal protective equipment, hand tools, hand-held power tools, pneumatic tools, measuring tools, workbenches, fasteners, workpieces.
	3.	Sources of training <ul style="list-style-type: none"> • Textbooks and other educational material • Occupational safety and health legislation • Rules for the use and maintenance of tools and equipment
	4.	Other measures <ul style="list-style-type: none"> • Technical tools to illustrate and visualise teaching/learning materials • Visual aids, layouts, samples, catalogues • Technology cards • Personal protective equipment

Disclaimer: The European Commission's support for this document does not imply endorsement or approval of its contents. The contents of this document reflect the views only of the authors, and the Commission cannot be held responsible for the reliability of the information contained therein.