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Education and Culture DG
Lifelong Learning Programme

Title	Using a computer controlled production system
Educational goal	Being able t ouse computer tools, from the creation to the manufacturing of a wooden device
Reference Class	1st year of CAP – joiner-manufacturer
Time of Realization	From January to April 2010
Total Time	40 hours
Manufactured Device	Child chair called « baby Leonard «

Skills	**Learning**	
To use a graphic representation software	- To know the ISO standards for the construction drawing - Locating in an orthonormal system - To know Cartesian and polar systems	Construction drawing
To use a computer-assisted conception software	- To create a drawing of the part to Manufacture - to record , to modify the parameters for the manufacturing of the part -to determine the active manufacturing Zones - to place the elements of positioning and maintaining	Mathematics
To record data (use properly the machine)	to know the tools for data transferring from the software	IT (information Technology)

To identify the different parts of a positioning system and/or computer-controlled system	- to locate , identify and describe the Functions of: -the functioning part - the commanding part - the data processing part -the energy processing part - the safety part	
To identify the different Components of a positioning system and /or computer-controlled system	Functioning of the different parts of the Machine - functioning of the mechanism	Technology Mechanics
To prepare a positioning system And /or computer controlled system	- to start a computer-assisted command - to settle the elements of positioning and maintaining of the parts - to check the safe functioning	
To manufacture parts on a positioning system and /or a computer-assisted system	- To position the parts - to trigger the manufacturing process - to do the operations of : Milling – drilling – shaping - sawing	Production Management Technology
To control the conformity of the parts	To use the appropriate means of control	Quality

Evaluation and Certification Instructions

1 – Autonomy level of the operator

2 – Manufacturing of the device

3 – Conformity of the manufactured device