

ProjectX - INTERNAL ASSESSMENT

Title of the ProjectX: 03. Making a Portable Workbench

School writing: South & City College Birmingham

School testing: South & City College Birmingham

A. PRESENTATION

	Opinion (thick)		Proposal / Comment
Student		X	The project is easy to follow & instructions are clear.
			
Teacher		X	The presentation is clearly set out explaining the purpose & reference of the project.
			

B. THEORETICAL KNOWLEDGE

	OBJECTIVE			REFERENCE		
Student		X	- The plans laid out in annex 1 are clear and easy to interpret - Instructions followed and materials utilised - Workshop video analysed to learn electronic welding techniques & MIG / MAG - Data sheets utilised to produce the correct cutting of the materials - Lists were used to check & monitor quality control - Full safety observed and task data sheets utilised.			
						
Teacher		X	All activities were followed, method is clear and the materials provided were suitable; the data sheets were relevant and appropriately utilised. Full quality control was implemented and Health & Safety implemented.			
						

ACTIVITIES



ProjectX - INTERNAL ASSESSMENT

ACTIVITY			REFERENCE		
Student		X			
					
Teacher		X			
					

ProjectX - INTERNAL ASSESSMENT

C. PRACTICE – PRATICAL DETAILS

Brief description of the practice

	Opinion (thick)		Proposal / Comment
Student		X	I found this an enjoyable exercise as the steps were easy to follow and with the working model to refer with teachers support / completed the exercise successfully.
			
Teacher		X	Plans were useful. Step by step methodology was practical. Students were successful with support.
			

Practical activities

STEP 1	Opinion (thick)		Proposal / Comment
Student		X	The dimensions were easy to follow and familiar to me
			
Teacher		X	Students had been taught dimensions and measurements prior to the experiment and found this exercise straightforward but with supervision.
			

STEP 2	Opinion (thick)		Proposal / Comment
Student		X	A list of materials was produced to include all the pieces that were cut. With support from the teacher/technician all of the materials were costed and a budget was presented to the technician.
			
Teacher		X	For practical work such as this, where students are required to produce a materials checklist with support from technical staff prices are provided and studnts are taught to submit a budget plan for their project. This was completed successfully.
			



ProjectX - INTERNAL ASSESSMENT

STEP 3	Opinion (thick)		Proposal / Comment
Student		X	Using the manual of the bandsaw I was able to cut the bars to the correct measurements and with clear instructions the compnents were prepared.
			
Teacher			This step was found to be rather technical and the student had to be supervised to ensure health & safety compliance.
		X	

STEP 4	Opinion (thick)		Proposal / Comment
Student		X	Instructions were followed on the process of assembling the workbench.
			
Teacher			Student struggled with some of the geometrical and dimensional elements implicit in this activity.
		X	

STEP 5	Opinion (thick)		Proposal / Comment
Student		X	This was the most enjoyable part, the manual was used to successfully carry out.
			
Teacher			The student was supervised to ensure health & safety compliance and some technical aspects of welding were rectified in accordance with the workshop manual
		X	

STEP 6	Opinion (thick)		Proposal / Comment
Student			This was tricky as the alignment posed some problems.
		X	



ProjectX - INTERNAL ASSESSMENT

Teacher			Student needed considerable support.
		X	

STEP 7	Opinion (thick)		Proposal / Comment
Student			
			
Teacher		X	Final inspection was carried out to ensure that instructions had been followed. Correct dimensions with appropriate tolerances had been used and the quality of the weld was up to industrial standards
			

General commentary

Student

I found this rather challenging but enjoyable acquiring and fine tuning skills for example in welding. I was able to utilise my mathematical skills but at times I struggled and had to seek support.

Teacher

The exercise was useful to develop students' skills, it built elements of existing but provided knowledge.

Opportunities for new learning and skills development. As a first time practical exercise the student needed considerable supervision to ensure health & safety compliance.

