



HIGHER EDUCATION SCIENCE AND TECHNOLOGY



Internship Logbook

Student Name: OKELLO BRIAN

Month: JUNE

Target	Achievements	Challenges	Lessons Learnt
Measurement of enclosure fabrication	Length measurements for stabilizer boxes were made Length measurements for the metallic furniture to be made was done as well as for the glass pans We were also able to measure the weights of the furniture	The bigger metallic tables could not fit on our weighing scale and thus needed a digital weighing scale The weighing scales had initial errors that had to be catered for	Weight measurement is used to determine the cost of coating metal with colours. Weight measurement can be used to set a price for finished metallic furniture
Designing of enclosure fabrication	Designing zig zag metal strips for holding glass pans We were able to design metallic dining chairs, tables, bench and cup boards	Holding chair joints firm before welding was challenging Errors in pre made stands made alignment hectic as they needed to be trimmed a little	Any metallic structure can be made by designing its tool within the workshop
Cutting of metal plates	Frames of furniture were successfully cut out of metal plates We were able to cut out glass fittings for the cupboards	Cuts strayed from the intended length that created gaps when bending the metal plates and thus needed further modification	Cutting metal plates is done using a snip or a grinder Always follow measurements when cutting plates to ensure uniformity in finished furniture
Welding metal joints	Previously made stands were firmly welded to produce finished nice looking chairs, tables and cup	Joints were at times welded poorly and needed to be welded again. Bad looking welds that needed to be	Welding is done to strengthen metal joints Welding can also be done using Argon gas Spot welding as a type of welding

	boards. Made a firm tool that was used to make handles for the glass pans inside the cupboards	smoothened using a grinder	All ways use protective eye wear when welding.
Bending metal plates and rods	Gaps created when cutting the chair parts were succesfully closed up by bending them a little.	Adjusting the bending machine at 90°	A bending machine is best for making perpendicular bends on metal plates
Drilling the enclosures	Frames for stabilizers were drilled	learning how to use the drilling machine.	Drilling machines can be used to make holes of various diameters

Supervisors Comment: *Handworking*

Signature: *[Handwritten Signature]*

