)																																												
LP1.1 examine what is engineering, different engineering sectors, and engineering discipliness.	LP1.2 is research range of engineer discipline including intercore between engineer discipline	ing engine engin	earch a wide ge of ineering fors, including products suced by	investigate ways in which a variet engineering organisations ca be classified, including:	tunctions that often outsou R&D, manufacturing and service (customer	are functions ced: common t engineeri organisati	that are based to no one: design, making, stomer	efe an arment (on what I earnt.	Learning outcome: Pupit will know: - what engineering is - how engineering is various sectors; - what each enginee - pupit will be able to: - be able to describe - recognise how vari linked when making op products; - be able to describe roise and specialist fi	skided into ing sector does: various sectors us sectors are righteered angineering job	and non femou	LP2.2 learn how to make a piece at sale safe and understand of we use mark blue on the surface of third steel. It able to read engineering drawing.	of and tin enign out the west material og previously marked out, safely and accurately.	handle a centre h steel has oth Underst	of the pupilities in the conning why steel outer is in one only one	onstration prosection of the contraction of the con	mplete actical, file wn outers loss using draw	LP2.7 complete an assessment based on what I have learnt.	Learning outcomes Pupils will stook. Though completing this unit of work pupils will be learning how to menufacture as engineering component using the expineering materials and processes available. Pupils will be able to: Through completing this unit pupils will derively. They can choose and use the correct toolwinachiner to manufacture as engineering to manufacture as engineering	engineering sectors in deta Focus on products made from sectors a combinations of sectors.	the sectors I to the produ- research ho- they work to make the component	Inked Intercor ct, between w sectors, the intercor	nections' 'inte describe des inte mections deta	sfy the links, connections' wen the sectors, ribe the connections in i.	research each organisation in detail using the website, produce a detailed report of the research. using the guidance given. (How many people they employ, how is it organised (single site. multible	website, produce a detailed report of the research, using the guidance given. What are the job roles and career	have learnt.	Learning outcomes Pupils will know. During the completion of the saft you will know how a range of the saft you will know how a range of together during the production of electrical electranic and mechanical engineered products, such as mobile phones and mountain blass. In this component, you will mountain blass, in this component, you will the engineering inclusive, the interconnections within engineering sectors, and how these are integrated to sectors, and how these are integrated to section, and how these are integrated to section. And how these are integrated to section. And how these are integrated to section.	Component 3 Preparation	LP4.2 Component 3 Preparation	LPN.3 Component 3 Preparation	LP4.4 Component 3 Preparation	LP4.5 Component 3 Preparation	LP4.6 Exam Part 1	LP4.7 analyse the glub felf and specification, compose a sessanch plan independently. Focus on what why?, who?.	Learning out present finding with full analysis suggest how to meet the order outlined.	s produce a full is, range of	sign brief, gauge pe	appropriate		some teacher guidance to create a final ge of proposal. Rec all screen sho to. of how the de wax develope using various	LPS.6 use CAD with some teacher guidance to create a final proposal. Recor- ts sill screen shots sign of how the design disselection of the selection discrete shots sign of how the design was developed using various dis CAD commands with reference to the brief.	guidance to create a final proposal. Recor all screen shots of how the desig was developed using various	produce so problems a different co a different co a different co a different co and expine to process. To engineering make proo- the problem
describe in det what is the role engineering in society.	need for both in th	safety from e design com ufacture sect ering	n sectors and obinations of tors.	describe what each type of organisation produces and how each is organised and operates.	organisation are specialis their sectors. including ain wing manufacture	types of w talt they carry maintena	ng job nevisit the social sock improved	r my smeet and areas act for versent;			produce a detailed table my findings. Include metal, type, propertie and uses.	s steel rule, scriber, odd i	gs accurately to terrove was material after full cutting, che against the engineering	a 3.2 ms safely as	chill bit other divet	holes and property of the safety and cately.	oduct against s original pineering	assessment and nevisit areas required for	component. They will also be able to undix stelly and accurately throughout the process.	select an engineered product from a given list. Identification sectors limited the chosen product.	the sectors I	Inked Intercor ct, between sectors, the intercor	nedions be o	nisations from wo different one. The nisations should flement sizes, (Global sprises.	workside etc) research each organisation in detail using in guidance given. The different departments in each organisation and links between them.	organisation. Complete and submit for assessment	neview my assessment and assessment and required for improvement;		Component 3 Pregeration	Component 2 Preparation	Component 3 Preparation	Component 3 Preparation	Component 3 Preparation	Down Part 2	problem using variety of	s freehand sketching to on answer the bri	table form an present as pa	ha Rasearch appropriate ear ear earn appropriate materials and in manufacturing is methods for th et of product.	Create two a models of ye most appropriately a relative using a range media, card, styrofoam et	ons suggest now designs coul improved fur gauge user opinion. Photograph	guidance to orazie a final id be proposal. Rec of how the de was develope and PT CAD comman.	create a final ord proposal. Recor its all screen shots sign of how the design d was developed	Complete a review of the design process, present in the form of a PPT to your peers then submit for assessment.	possible a choose a design ar solution, o outcome work in a
Olecuse the ne for different materials for different materials for different produce the broad topics of metals and polymers. Discuss different properties for the materials and applications.	inon fero acts. alloys. W specific if come un category what pro ent do they if	us and in the had and netals work for each pres and form perses.	ne workshop in industry to k with metals. sent in the	Shady the assembly and working drawing of the engineeri component. List the components tabel whether it proprietary. Also tabel the materials that ar used to make the product.	material have ghave been identified? If this useful for product?	that collected: the engine ty is product a	n sesses about based sered have in ithe ppy / misture Submit	on what I	Pupis will know. The this use it will will give understanding understanding to properties of metallic materials, and products. Pupis will be able to completing this unit is acquire an understand according to the according to this will enable according to this will enable this will enable products in other unit according to the products in other according to the according to the according to the according to the according to according to according according to according according to according according accordin	ypes and and polymeric by component processed income udents will ling of the proprietary ing processes o make informed of their own	understand ho	component of appropriate to such as stee rule, digital	ing assessed to ols Pupils disassemble engineering	he individus and expi use. Ho link to th product?	part the e in its comp does it each whole hand and r produ seliat perfo sonin sequi econ make cons impli	led product file fication for a fication for a programming or soment under or or file and inga: size mance file and silty, mance file or remembs, omic and	imponent and essent for a third	assessment based on what I	Pupils will inow: Through completing this unit pupils will completing this unit pupils will be used to be used to be used to be used to use unit pupils will be used to be used observation and measurement cheering the unit pupils will understand how to disseased product. This will enable them and analyse are originated product. This will enable them and analyse are originated product. This will enable them and analyse are originated product. This will enable them and analyse are originated product and analyse are originated products and the products in the other units.	the bike multi tool.	n sequential produce the component of the		ons of the plan ent and out to an account	mark out and he metal rately and	files, shape the inside of the multi tool spanner		independently in make suggestions for improvements to the production plan and manufacture of the spanner tool	Puglis all thoses. Through considers of this cost puglish is discharated from the term and facilities of an engineered product mechanisms of an engineered product mechanisms, components and the making. Depth will be able to making the puglish will be able to puglish wil																Pupits to Pupits to
Discuss the ter- proprietary and non-proprietary components. Understand with they are and in role they play is engineemed projectors. research some each.	hat What sp he plastics i	ers, processing and in the ding. and icific work ome plass ch in the and table perfect.	nesses used ne workshop in industry to k with	investigate the availability of the proprietary components, what do they do and how do they work?	specific processes u to manufacts the compone		revisit	intry smeet and areas softy versent;			component pa Discuss using headings; visu features, surfa	disassemble ts. engineering he product safe il and using the correct tools. Photograph	notes jeach individual po and explain use. How do link to the w product?	the enging componers it each of the componers in the comp	sering comp press e party size le and scellunc se into, sering, sering	together all its ga for the seering enering oneert and out for a third promead.	mponent and essent for a third			discuss the stages involve creating a production pla	d in	check to template appropri	te with the late tools pho salonal for e	he appropriate s independently, ograph stages vidence.	shape the profile of the spanner tool to accurately replicate the original, photograph stages for evidence.	the production plan and manufacture of	Submit Component 2																	