## FIRST TERM WEEKLY LESSON NOTES WEEK 6

Week Ending: 10-11-2023		Day:		Subject: Career Technology (PT)				
Duration: 60MINS				Strand: Materials For Production				
Class: B9		Class Si	ze:	Sub Strand: Resistant Mate			rials	
<b>Content Standard:</b> B9.2.1.1 Demonstrate skills in selecting compliant materials for making products and artefacts			Indicator: B9.2.1.1.1: Discuss the factors that influence the selection of compliant materials			ence	Lesson: I of 2	
<b>Performance Indicator:</b> Learners can identify the properties of con understand safe practices when working w			mpliant materials with tools/equipn	pliant materials and h tools/equipment.			n <b>cies:</b> nd Collaboration inking and Problem ativity and Innovation	
<b>Reference:</b> Caree	er Technology	Curriculu	m Pg. 83					
New words: Compliant, Materials, Properties, Safety, Tools								
		• •,•				,		
Phase/Duration	Learners Act	ivities	vonudov itoma	do for	n different		Kesources	
	materials	s a lew e	veryday items ma	ue fror	n ullerent			
PHASE 2:	materials and justify their choices.         Share performance indicators with learners.         Briefly review the properties of compliant materials using         Pictures and						Pictures and	
IFARNING	Compliant Materials Properties					compliant		
	Rubber		Highly elast Resistant to chemicals Good elect Dampens v	ic water rical ins ibratior	and many sulator is		materials	
	Polyureth	nane (PU)	Highly flexi Resistant to extremes o Biocompati devices) Non-reactiv Good abras resistance Besistant to	ble and b UV, o f tempe ble (use ve and s sion and	elastic zone, and erature ed in medical stable d wear			
	Foams		Can be forr or very har Available in Lightweight	nts nulated d foam fo	to be very soft			

		Can be compressed and will			
		return to their original shape			
		Good insulating properties			
		Used in mattresses protective			
		packaging and more			
		Flastic			
	Latex	Biodegradable			
		Resistant to wear and tear			
		Lised in gloves balloons and			
		many medical products			
	Discuss the differences bet materials.				
	Brainstorm potential risks of working with different tools. Discuss safety precautions to be followed.				
	Have learners watch a short video or pictures about safe practices when working with tools and equipment.				
	Teacher demonstrates on how to use tools safely while working with a compliant material.				
	Discuss the importance of safety when working with compliant materials.				
	Divide learners into groups. Give each group a few samples of different materials.				
	Each group identifies which samples are compliant materials based on their properties and presents their findings to the class.				
	Assessment				
	I Name two compliant r				
	2 Identify any three com				
	of each.				
	3. Why is it important to				
	4. Name one safety prece				
PHASE 3:	Use peer discussion and ef	fective questioning to find out from			
REFLECTION	learners what they have learnt during the lesson.				
	Take feedback from learne				

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Content Standard: B9.2.1.1 Demonstra compliant materials and artefacts	electing products	Indicator: B9.2.1.1.1: Discuss the factors that influence the selection of compliant materials			Lesson: I of 2		
<b>Performance Indic</b> Learners can create understand the fact	ng compliant materials and g their selection. <b>Core Competencie</b> Communication and C Critical Thinking and F Creativity and Innovat		<b>Core Competencies:</b> Communication and Collabo Critical Thinking and Problem Creativity and Innovation	aboration (CC), blem Solving (CP),			
Reference: Career	Technology	Curriculu	m Pg. 83				
New words: Artefa	ct, Factors, S	election,	Appraisal				
Phase/Duration	Learners A	ctivities	lo ontofoct mode	fra	m a compliant metavial	Kesources	
STARTER	Ask them to guess which compliant material it's made from and its purpose.						
PHASE 2: NEW	Discuss the	reasons	why the material	for	the starter artefact was	Pictures and	
LEARNING	chosen. Guide learn of complian Example: • Skill • Ten • Che • Pur • Dur • Cos • Ava • Der • UV	ers to ide t materia ls of the de perature mical Resi bose/funct ability and t ilability sity and V Resistance	entify the factors ls esigner Resistance istance ion I Fatigue Life: Veight	tha	at influence the selection	charts of compliant materials	
	Provide a st compliant n Discuss the practices. Allow learn simple artef	ep-by-ste naterial, fi importar ers to cho act.	p demonstration rom measuring to nce of each step a cose a compliant	of su and ma	how to work with a urface finishing. give tips for best aterial and design a		

	Learners' measure, cut, fold, join, and finish their artefacts based on what they learned from the demonstration. Once everyone is done, allow learners to display their artefacts. Learners gather in groups, appraising each other's work, discussing the materials chosen, and why.	
	<ul> <li><u>Assessment</u></li> <li>1. What are two factors to consider when selecting a compliant material?</li> <li>2. Why is it important to choose the right material for a task?</li> <li>3. What is an artefact?</li> <li>4. How can compliant materials be beneficial in creating artefacts?</li> </ul>	
PHASE 3: REFLECTION	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson.	