SECOND TERM

WEEKLY LESSON NOTES

WEEK 7

Day: Subject: Career Technology			gy			
Duration: 60MINS			Strand: Technology			
Class Size:		Sub Strand: Simple Structures And Mechanisms				
Content Standard:		Indicator:				Lesson:
nowledg	e of	B9.4.1.1.1 Des	scribe mechanis	sms used for	•	
	tion	making produ	cts/ artefacts			I of 2
			Core Competencies:			
			cts/ artefacts	CP 6.5: CI 5	5.4: C	CI 5.2: CI 6.10:
nology (Curriculum	Pg. 100				
arners /	Activities				Res	ources
evise wit	h learners	on the previous	s lesson through	h		
estions	and answer	rs.				
are perf	ormance in	ndicators with l	earners.			
uide lear	ners to ex	plain what is m	eant by mechan	isms.	Pict	ures and
-	-	parts working	together in a m	nachine; a	cha	rts
ece of m	achinery.					
	•	• •				
	ns using IC	T tools and oth	ier sources.			
-						
	•	system				
-						
- Cams						
- Levers and linkages						
t them i	dentify arts	efacts in the en	vironment that	Operate		
•			· .			
on mechanisms. L.g., bicycles, venicles, motor bikes.						
Divide learners into groups.						
	echanismology (Chain and Cams Levers and them is mechanismology).	Class Size nowledge of construction echanisms used for nology Curriculum arners Activities exise with learners estions and answer are performance in uide learners to ex g. It is a system of ece of machinery. arners in their group echanisms using IC g. Pulley system Chain and sprocket Gear system Chain and sprocket	Class Size: Indicator: B9.4.1.1.1 Despendence of making production making production making p	Class Size: Indicator: B9.4.1.1.1 Describe mechanism making products/ artefacts mology Curriculum Pg. 100 arners Activities reside with learners on the previous lesson through estions and answers. are performance indicators with learners. aide learners to explain what is meant by mechanism. It is a system of parts working together in a make of machinery. arners in their groups explore different types of echanisms using ICT tools and other sources. Buildey system Chain and sprocket system Chain and sp	Class Size: Indicator: B9.4.1.1.1 Describe mechanisms used for making products/ artefacts Core Compositive mechanisms. Core Compositive mechanisms used for making products/ artefacts. Core Compositive mechanisms used for making products/ artefacts.	Class Size: Sub Strand: Simple Structure: Mechanisms

	Task them to research from different sources on how	
	mechanisms operate, in groups.	
	Groups write their findings and present in class for	
	discussion.	
PHASE 3:	Use peer discussion and effective questioning to find out	
REFLECTION	from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: WEE	eek Ending: WEEK 7 Day:			Subject: Career Technology			
Duration: 60MINS				Strand: Technology			
Class: B9 Class Size		e:	Sub Strand: Simple Structures And Mechanisms			s And	
Content Standard:			Indicator:				Lesson:
B9.4.1.1 Demonstrat	_		B9.4.1.1.2 Describe the features and				
mechanisms in project		ction	principles of c	perations of m			1 of 2
Performance Indica	tor:				Core Con	-	
Learners can		Completeless	D _e 00		CP 6.5: CI	5. 4 : (CI 5.2: CI 6.10:
Reference: Career T	echnology (urriculum	rg. 77				
New words:							
DI (D						_	
Phase/Duration	Learners					Res	sources
PHASE I:	Revise with learners on the previous lesson through						
STARTER	questions	and answe	rs.				
	Share performance indicators with learners.						
PHASE 2: NEW	Use charts, models or real objects to describe the features						
LEARNING	of the various types of mechanisms.						
	Use simple diagrams to illustrate the operations of the various types of mechanisms. E.g. Rack and pinion, cams, levers and linkages. Discuss the advantages and disadvantages of the various types of mechanisms. E.g., Pulley system: - Advantages: No lubrication needed, quiet in operation						

	- Disadvantage: A slip can occur	
	Watch videos on the various types of mechanisms in operation and discuss in class. E.g. The operations of the crank, cam, rack and pinion, chain and sprockets	
PHASE 3:	Use peer discussion and effective questioning to find out	
REFLECTION	from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: WEE	K 8 Day: Subject: Career Techno			ogy			
Duration: 60MINS				Strand: Technology			
Class: B9	Class Size:			Sub Strand: Simple Structures And Mechanisms			
Content Standard: B9.4.1.1 Demonstrate knowledge of mechanisms in projects construction			: Design and make simple school projects using two or more			Lesson:	
Performance Indica: Learners can	tor:			Core Competencie CP 6.5: CI 5.4: CI 5.2:			
Reference: Career T	echnology (Curriculum	Pg. 101				
New words:							
Phase/Duration	Learners A	Activities				Res	ources
PHASE I:	Revise wit	h learners	on the previous	s lesson through	h		
STARTER	questions and answers. Share performance indicators with learners.						
PHASE 2: NEW LEARNING	Identify simple school projects. E.g., wall clocks, crazy snake, toy cars, bicycles, aeroplane/air craft, train, wind turbine/mill Identify compliant and resistant materials, tools and equipment for making mockups/prototypes. Note: Select the appropriate mechanisms based on the function of the project. Discuss the reasons for the choice of mechanisms for a particular job. E.g Usage (easy to use) - Availability of mechanism - Cost of mechanism - Skills of designer Plan, design and prepare a folio of products/artefacts. Make the product/artefact following the appropriate procedure. E.g., Measuring, marking out, cutting, joining and assembling Test the product for function and modifications.						

	Write down observations and discuss in, class in groups
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.