## TERM THREE

## WEEKLY LESSON NOTES

## WEEK 2

<b>Date:</b> 23 <sup>rd</sup> SEPT, 2022		DAY:			Subject: Science			
Duration: 50mins				Strand: Forces & Energy				
Class: B7	Class Size:			Sub Strand:				
<b>Content Standard:</b> B7.4.3.1. Demonstrate an understanding of the principle of conservation and conversion of energy and their application in real life situations			Indicator: B7.4.3.1.2 Demonstrate the conversion of energy into useable forms.			Lesson: I of 2		
<b>Performance Indicator:</b> Learners can demonstrate the conversion of energy into useable forms.					O Core Competencies: DL 5.3: Cl 6.8: DL 5.1: Cl 6.6:			
References: Science Cu	ırriculum I	Pg. 33-34						
New words: Conversion	, transform	ation, useable , conser	vation					
Phase/Duration	Learners	Activities				Resources		
	Have learners give examples of forms of energy. Examples: 1. Chemical energy (energy stored in the bonds between atoms). 2. Heat energy (energy of the motion of atoms). 3. Electrical energy (energy of moving electrons) Share learning indicators and introduce the lessen							
PHASE 2: NEW	Learners	in groups discuss ho	w the	for	ms of energy are related	Batteries Torch		
LEARNING	and can l Example: light switch	The electrical energy in the sturned on.	Switch Radio, Charts and drawings showing energy conversion					
	energy fr an organ							
	Guide lea conversio energy to							
	In a torc electrical energy. Chemica energy							
	When a wood burnt, its chemical energy is converted into heat energy and light energy. Chemical energy -> heat energy + light energy							

	In an electric fan the electrical energy from the electricity is					
	Electrical energy $\rightarrow$ Kinetic energy					
	Have learners research for more everyday use of conversion of					
	energy.					
	Assessment					
	What is energy transformation?					
PHASE 3:	Use peer discussion and effective questioning to find out from					
REFLECTION	learners what they have learnt during the lesson.					
	Take feedback from learners and summarize the lesson.					
	Homework					
	In a torch, the chemical energy of the batteries is converted into					
	energy, which is converted into energy and					
	energy. In hydroelectric power plants, waterfalls on the					
	turbines from a height. This, in turn, rotates the turbines and					
	generates electricity. Hence, theenergy of water is					
	converted into theenergy of the turbine, which is further					
	converted intoenergy.					

<b>Date:</b> 23 <sup>rd</sup> SEPT, 2022		DAY:		Su	Subject: Science			
Duration: 50mins				Sti	Strand: Forces & Energy			
Class: B7	Class Size:			Sub Strand:				
<b>Content Standard:</b> B7.4.3.1. Demonstrate an conservation and convers in real life situations	ling of the principle of gy and their application	Indicator: B7.4.3.1.3 Know how energy could conserved for future use in life.		uld be	Lesson: I of 2			
Performance Indicator Learners can describe h for future use in life								
References: Science Cu	Irriculum I	Pg. 33-34						
New words: Conversion	, transform	ation, useable , conservati	on					
		A						
Phase/Duration	Learners	Activities	vio vi l		ana un danatan ding in th	Kes	Resources	
PHASE I: SIARIER	Using qu	estions and answers, re	view l	earn	ers understanding in th	e		
	premeus							
	Share lea	rning indicators and int	roduc	e the	e lesson.			
PHASE 2: <b>NEW</b> <b>LEARNING</b>	<ul> <li>Guide learners to describe how energy is conserved and explain how it can be done for the benefit of humans and other life forms.</li> <li>In groups, have learners discuss ways of conserving energy. They present their findings to the class for discussion.</li> <li>Guide learners to find ways of conserving energy.</li> <li>Example: <ol> <li>Use energy efficient light bulbs</li> <li>Iron all dresses in bulk but not in bit.</li> </ol> </li> </ul>						eries Torch tch Radio, urts and drawings wing energy version	
	4. Turn off your electrical gadgets when they are not in use.         5.Close all doors and windows when using an air conditioner <u>Assessment</u> What is energy transformation?         Mention four ways of conserving energy in the home.							
PHASE 3:	Use peer discussion and effective questioning to find out from							
REFLECTION	learners Take fee <u>Homewo</u> In a loud micropho In a gene When fu	what they have learnt d dback from learners and speaker,energy is one, soundenergy rator,energy is els are burnt,energy energy andenergy one energy at home	uring d sumi s conv is corv conve ergy is ergy.	the I mari: verte nvert erteo s con Writ	esson. ze the lesson. ed intoenergy. In zed intoenergy. d intoenergy. verted into ze four ways of	a		