or 0248043888
https://www.TeachersAvenue.net
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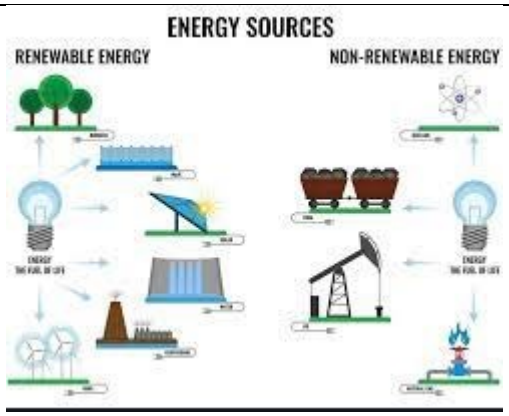
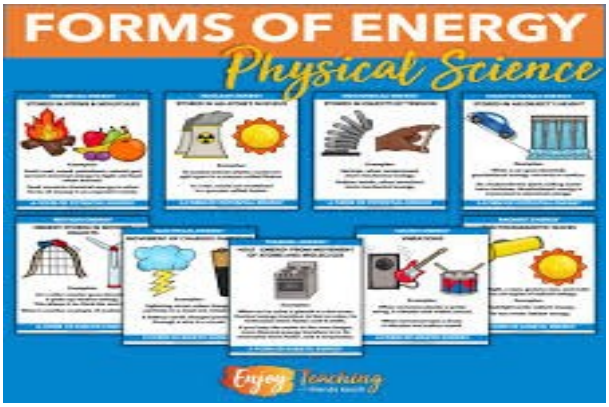
BASIC 8

WEEKLY LESSON PLAN – WEEK 2

Strand:	Forces and Energy		**Sub-Strand:**	Energy	
Content Standard:	B8.4.1.1Demonstrarte the skill to evaluate the conversion of energy from one form to another				
Indicator (s)	B8.4.1.1.1Describe energy conversion B8.4.1.1.2 Discuss the importance of conversion of energy		**Performance Indicator:** Learners can explain the importance of conversion of energy.		
Week Ending	14-04-2023				
Class	B.S.8	**Class Size:**		**Duration:**	
Subject	Science				
Reference	Science Curriculum, Teachers Resource Pack, Learners Resource Pack, Textbook.				
Teaching / Learning Resources	Bottle tops, salt, sugar, sand, gari, gravel, oil, water, Poster, Pictures.		**Core Competencies:**		

DAY/DATE	**PHASE 1 : STARTER**	**PHASE 2: MAIN**	**PHASE 3: REFLECTION**
MONDAY **10-04-2023**	s	1. Assist Learners to identify the forms of Energy. 2. Discuss the meanings of the forms of energy with the Learners. Learners in small groups to describe how energy is converted from one form to another and report to the class.	Through questions and answers, conclude the lesson. **Exercise;** 1. What is Energy? 2. State 4 forms of Energy
THURSDAY **13-04-2023**	Show Learners pictures of the Akosombo Dam.	1. Using a Power Point Presentation, explain the processes that a dammed river goes through to produce electricity. 2. Learners brainstorm to explain the importance of electricity. 3. Assist Learners to identify methods of generating electricity from moving water. **How Electricity is Produced from dam water;**	Reflect on the uses of Electricity. **Exercise;** 1. Explain ho electricity is

		As the water flows down through the dam its kinetic energy is used to turn a turbine. The generator converts the turbine's mechanical energy into electricity. This electric energy then goes through various transmission processes before it reaches you.  **Water Energy** • A hydroelectric dam captures energy from the movement of a river. ... • Wave power captures energy from waves on the surface of the ocean using a special buoy or other floating device. • Tidal power captures the energy of flowing waters with the help of turbines as tides rush in and out of coastal areas.	produced from dam water. 2. Explain how electricity is generated from moving water.
FRIDAY **14-04-2023**	Through questions and answers, review Learners knowledge on the previous lesson.	1. Discuss examples of the natural forms of energy with the Learners. 2. Assist Learners to describe how to harness natural forms of energy to other forms. 3. Learners in small groups discuss the sources of natural energy. **Sources of renewable energy:** • Solar energy. Solar energy is the most abundant of all energy resources and can even be harnessed in cloudy weather. • Wind energy. • Geothermal energy. • Hydropower. • Ocean energy. • Bioenergy. **Natural Sources of Energy;** ❖ Nuclear energy ❖ fossil energy -- like oil, coal ❖ natural gas –	Each group to report on their discussions for appreciation and feedback. **Exercise;** 1. What is Natural Energy? State 4 examples of the natural forms of energy.

Name of Teacher: ***School:*** ***District:***