


WEEKLY LESSON PLAN – B7

WEEK 6

Date: 25 th FEB, 2022		Period:	Subject: Science
Duration:			Strand: Cycles
Class: B7	Class Size:		Sub Strand: Earth Science
Content Standard: B7.2.1.1 Recognize that the water cycle is an example of repeated patterns of change in nature and understand how it occurs		Indicator: B7.2.1.1.1 Explain how the water cycle occurs as a repeated pattern in nature	Lesson:
Performance Indicator: Learners can demonstrate the process of transpiration and know how clouds are formed			Core Competencies: DL5 .1: CI 5.2: CI 6.3: CP 5.1: DL 5.1:
Reference: Science Curriculum Pg. 7			
Keywords: transpiration, condensation			
Phase/Duration	Learners Activities		Resources
PHASE 1: STARTER	Revise with learners through questions and answers to review learners understanding in the previous lesson. Share performance indicators and introduce the lesson.		
PHASE 2: NEW LEARNING	Revise with learners the meaning of water cycle. <i>The water (hydrological) cycle is a biological cycle that describes the continuous movement of water on, above and below the surface of the earth.</i> Guide learners to breathe out or blow air onto a transparent surface, e.g. a glass or plastic bottle and share their observations. Explain to learners that just as humans release water vapor when they respire, so do plants when they transpire. Put learners into groups and give each group a young potted plant, plastic wrap bag and a rubber band to undertake the following activities: <i>(1) Let learners examine the surface of the leaves of the plants and mop off any water droplets on the leaves.</i> <i>(2) Tie the plastic wrap bag around the plant up to the stem and leave it for an hour.</i> <i>(3) Observe both plant and plastic wrap surfaces.</i> <i>(4) Let learners report on what happens.</i> Review composition of air with learners. This should include water vapor.		Pictures, charts, videos, etc.

	<p>Ask learners the question: what are clouds? And assists learners to come out with this explanation: Clouds consist of many tiny water droplets resulting from the condensation of water vapor into liquid water or ice.</p> <p>Explain that upward vertical motion of air through the atmosphere cools water vapor to form clouds.</p> <p>Learners demonstrate formation of clouds in a bottle.</p> <p>Learners explain why clouds are not formed close to the surface of the ground.</p> <p><u>Assessment</u></p> <ul style="list-style-type: none"> • What is a cloud? • How are clouds formed in the atmosphere? • What is transpiration? 	
<p>PHASE 3: REFLECTION</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p> <p>Take feedback from learners and summarize the lesson.</p>	

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Content Standard: B7.2.1.1 Recognize that the water cycle is an example of repeated patterns of change in nature and understand how it occurs		Indicator: B7.2.1.1.2 Describe the importance of the water cycle in nature	Lesson:
Performance Indicator: Learners can describe the importance of the water cycle in nature			Core Competencies: DL5 .1: CI 5.2: CI 6.3: CP 5.1: DL 5.1:
Reference: Science Curriculum Pg. 8			
Keywords: precipitation, condensation, evaporation			
Phase/Duration	Learners Activities		Resources
PHASE 1: STARTER	Revise with learners through questions and answers to review learners understanding in the previous lesson. Share performance indicators and introduce the lesson.		
PHASE 2: NEW LEARNING	<p>Guide learners to describe the stages of the water cycle by watching a video or a picture of it.</p>  <p>i. evaporation- the process of turning liquid into vapor</p> <p>ii. condensation – is the change of the state of matter from the gas phase into the liquid phase</p> <p>iii. precipitation – falling products of condensation in the atmosphere, as rain, snow, or hail.</p> <p>Guide learners to describe the importance of the water cycle in terms of:</p> <p>a) Energy source (release of energy to warm the environment)</p> <p>b) Carrier of nutrients</p> <p>c) Improving water table</p> <p>d) Regulating weather pattern</p> <p>e) Provision of clean water.</p> <p>With a diagram, illustrate the importance of the water cycle in a community.</p>		Pictures, charts, videos, etc.

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