

THIRD TERM
WEEKLY LESSON NOTES
WEEK 1

Week Ending: 30-06-2023		DAY:		Subject: Social Studies	
Duration: 60MINS				Strand: Environment	
Class: B8		Class Size:		Sub Strand: Weather & Climate	
Content Standard: B8.1.3.1 Demonstrate understanding of the significance of weather and climate to the environment		Indicator: B8.1.3.1.1. Assess the significance of weather and climate to the environment		Lesson: 1 OF 2	
Performance Indicator: Learners can assess the significance of weather and climate to the environment			Core Competencies: CP 5.1: CC 8.1: CC 8.1: CC 9.1: CP 5.2: CC		
References: Social Studies Curriculum Pg. 49					
Keywords:					
Phase/Duration	Learners Activities				Resources
PHASE 1: STARTER	<p>Begin by asking the students what they understand about the terms "climate" and "weather."</p> <p>Write their responses on the board and facilitate a class discussion to clarify any misconceptions.</p> <p>Explain that climate refers to long-term patterns of weather conditions in a particular region.</p>				
PHASE 2: NEW LEARNING	<p>Provide a clear definition of climate: "Climate refers to the average weather patterns and conditions in a specific area over a long period, typically 30 years or more."</p> <p>Emphasize that climate is not the same as weather, which refers to short-term atmospheric conditions.</p> <p>Explain that several factors or elements contribute to the formation of climate.</p> <p>Write the following elements on the board and briefly explain each one:</p> <p><i>1. Temperature: Temperature is a measure of the average heat or coldness of the air in a particular area. It is influenced by various factors, including latitude, altitude, proximity to bodies of water, and prevailing winds.</i></p> <p><i>2. Precipitation: Precipitation refers to any form of water that falls from the atmosphere to the Earth's surface. It includes rain, snow, sleet, and hail. The amount and frequency of precipitation greatly affect the climate and determine whether an area is arid, humid, or temperate.</i></p> <p><i>3. Humidity: Humidity represents the amount of moisture present in the air. It is influenced by factors such as temperature, proximity to</i></p>				Pictures and Charts

	<p>bodies of water, and prevailing wind patterns. Humidity levels can greatly impact the perception of temperature and influence the overall comfort in a given location.</p> <p>4. <i>Wind: Wind is the movement of air across the Earth's surface. It is caused by differences in atmospheric pressure due to variations in temperature and topography. Wind plays a crucial role in redistributing heat and moisture, affecting both local and regional climate patterns.</i></p> <p>5. <i>Air Pressure: Air pressure refers to the force exerted by the weight of the atmosphere. It is influenced by temperature, altitude, and the presence of weather systems. Changes in air pressure can lead to the formation of high-pressure or low-pressure systems, which have a significant impact on weather patterns and climate conditions.</i></p> <p>6. <i>Sunlight: Sunlight, or solar radiation, is the primary source of energy that drives the Earth's climate system. The amount of sunlight received in different regions is influenced by factors such as latitude, seasonality, cloud cover, and atmospheric conditions. Sunlight intensity affects temperature, precipitation patterns, and the overall climate characteristics of a particular area.</i></p> <p><u>Assessment</u></p> <ol style="list-style-type: none"> 1. What is temperature, and how does it contribute to climate? 2. What is precipitation, and how does it affect climate conditions? 3. Define humidity and explain its significance in relation to climate. 4. How does wind influence climate patterns and conditions? 5. What is air pressure, and how does it impact weather and climate? 	
<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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PHASE 1: STARTER	<p>Revise with learners on the previous lesson.</p> <p>Share performance indicators with learners and introduce the lesson.</p>		
PHASE 2: NEW LEARNING	<p>Show climate diagrams or images representing different climates worldwide.</p> <p>Explain the components of a climate diagram, such as temperature and precipitation graphs, and how they illustrate the climate patterns of a specific location.</p> <p>Point out the differences in climate elements between different regions.</p> <p>Divide the students into small groups.</p> <p>Assign each group one of the climate elements discussed earlier (temperature, precipitation, humidity, wind, air pressure, or sunlight).</p> <p>Instruct the groups to research and gather information about their assigned climate element, including its significance and influence on climate.</p> <p>Provide online or library resources for research, or prepare printed materials in advance.</p> <p>Have each group present their findings to the class.</p> <p>Encourage students to ask questions and engage in a discussion after each presentation.</p> <p>Summarize the main points and emphasize how these elements work together to create different climate patterns around the world.</p> <p><u>Assessment</u></p> <p>1. Explain the role of sunlight in shaping climate.</p>	Pictures and Charts	

	<p>2. Give an example of how temperature and precipitation interact to determine climate in a specific region.</p> <p>3. How do latitude and altitude affect climate characteristics?</p> <p>4. Discuss the relationship between proximity to bodies of water and local climate.</p> <p>5. Name at least two elements of climate that can directly influence human activities.</p>	
<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>	