

EaD Comprehensive Lesson Plans



or




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BASIC 7

WEEKLY LESSON PLAN – WEEK 1

Strand:	Diversity of Matter	Sub-Strand:	Material
Content Standard:	B7.1.1.1 Recognize materials as important resources for providing human needs		
Indicator (s)	B7.1.1.1.1 Classify materials into liquids, solids and gas.	Performance Indicator: Learners can group materials into Solid, liquid and gas.	
Week Ending	13-09-2024		
Class	B.S.7	Class Size:	Duration:
Subject	Science		
Reference	Science Curriculum, Teachers Resource Pack, Learners Resource Pack.		
Teaching / Learning Resources	Water, Stone, Ice Cube, balloon, Pictures, Video, Power Point Presentation.	Core Competencies:	<ul style="list-style-type: none"> • Critical Thinking • Problem Solving • Creativity and innovation.
DAY/DATE	PHASE 1 : STARTER	PHASE 2: MAIN	PHASE 3: REFLECTION
TUESDAY	Discuss the meaning of Matter with the Learners.	<ol style="list-style-type: none"> 1. Collect and assemble materials from the school environment. 2. Assist Learners to group the materials according to texture, appearance, colour and shape. 3. Using a Power Point Presentation, explain the meaning of Solid, Liquid and Gas. 4. Assist Learners to group the assembled materials into Solid, Liquid and Gas. <div style="text-align: center;">  <p style="display: flex; justify-content: space-around; margin-top: 5px;"> Solid Liquid Gas </p> </div> <p>What is a solid?</p> <p>A solid is a state of matter that retains its shape and density when not confined.</p> <p>Liquid; A liquid is a sample of matter that conforms to the shape of a container in which it is held, and which acquires a defined surface in the presence of gravity.</p> <p>Gas; A gas is defined as a state of matter consisting of</p>	<p>Learners in small groups to create and complete a table to record the texture, appearance, colour and shape of group of materials assembled from the environment.</p> <p>Appreciate and comment on each groups work.</p>

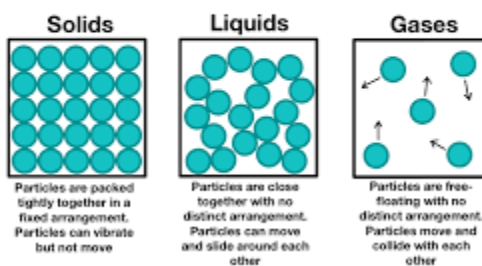
particles that have neither a defined volume nor defined shape.

WEDNESDAY

Review Learners knowledge on the previous lesson.

1. Show Learners video of the correct arrangement of Solid particles of Solid, Liquid and Gas.
2. Discuss with Learners the arrangements of Particles of Solid, Liquid and Gas.
3. Learners brainstorm to compare the arrangement of Particles of the three states of Matter.

Particle Arrangement in Phases of Matter



STATES OF MATTER	SOLID	LIQUID	GAS
Arrangement of particles	The particles are very <u>closely packed</u> .	The particles are <u>closely packed</u> but there are <u>more empty spaces</u> between them compared to the solid state.	The particles are <u>very far apart</u> from each other.



Engage Learners in drawing the arrangements of Particles of the states of Matter.

Exercise;

1. Draw the correct arrangements of the states of matter.
2. Using chart, compare the arrangements of particles between the following;
 - i. Solid and Liquid
 - ii. Liquid and Gas
 - iii. Solid and Gas.

FRIDAY

Learners brainstorm to mention examples of Solid, Liquid and Gas materials.

1. Group Learners into small groups, each group to discuss the importance of Liquid to human life.
2. Each group to report the class their discussions.
3. Assist Learners to identify 5 ways of preserving Liquids for human use.
4. Individual Learners brainstorm to explain the need to preserve Liquids for human use.

Importance of Liquid to Human Life;

- Protects body organs and tissues.

Practical;

Demonstrate a way to preserve Liquid for human use.

Exercise;

1. State 4 examples each;
 - i. Solid

		<ul style="list-style-type: none"> • Carries nutrients and oxygen to cells. • Lubricates joints. • Lessens burden on the kidneys and liver by flushing out waste products. <p>Preserving Liquids;</p> <ul style="list-style-type: none"> ➤ Canning ➤ Pasteurization ➤ Freezing ➤ Irradiation ➤ the addition of chemicals. 	<ul style="list-style-type: none"> ii. Liquid iii. Gas <p>2. Explain 4 ways of preserving Liquids for human use.</p> <p>3. Write 2 needs to preserve Liquids for human use.</p>
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School:

District: