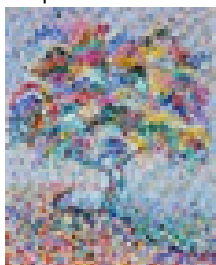


 GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	
	Teacher:	Depedtrends.com	Learning Area:	
	Teaching Dates and Time:		Quarter:	

I. OBJECTIVES	
A. Content Standards	The learners demonstrate an understanding of the particle nature of matter as basis for explaining properties, physical changes, and structure of substances and mixtures
B. Performance Standards	The learners shall be able to present how water behaves in its different states within the water cycle
C. Learning Competencies Write the LC code for each	The learners should be able to explain the properties of solids, liquids, and gases based on the particle nature (S8MT-IIIa-b-8)
D. Learning Objectives	Describe atom as a component of matter.
II. CONTENT	The Particle Nature of Matter: Elements, Compounds, and Mixtures – Activity 3 Part I (Procedure 1-3)
III. LEARNING RESOURCES	
A. References	
1. Teacher's Guide pages	
2. Learner's Materials pages	178-179
3. Textbook pages	
4. Additional Materials from Learning Resource (LR) portal	
B. Other Learning Resources	
IV. PROCEDURES	
A. Reviewing previous lesson or presenting the new lesson (2 mins.) elicit	Present a pointillist picture. Let the students relate the illustration to particle components of matter.  Source: https://www.artmajeur.com/en/martinaboicheva/artworks/9571807/spring-tree-canvas-40x50cm
B. Establishing a purpose for the lesson (1 min.) Engage	Organize the class to 6 groups. Set the atmosphere of the class by letting them identify do's and don'ts in performing experiment.
C. Presenting examples/ instances of the new lesson Explore (2-5 mins.)	Can matter move from one place to another? Do particles of matter move?
D. Discussing new concepts and practicing new skills #1 Explain (15 mins.)	Group Activity: Present Activity 3 page 178-179. Let the group perform Procedure 1-3. Let the students answer Question 1 to 5.
E. Discussing new concepts and practicing new skills#2 (10 mins.)	Discuss correct answer and process the topic focusing on gas matter's movement. Answers:

	Q1. No, the plunger cannot be pushed all the way through the syringe. (The plunger can be pushed until the 15-mL level of the syringe and then it goes back near the 26-27 mL level). Q2. The plunger of the syringe could be slightly pushed. The springiness of the air inside the syringe can be felt. This gives a hint about the distance between the particles of air. Q3. We cannot push the plunger in the syringe with water inside. Q4. We were able to push the plunger of the syringe with air in it but the plunger of the syringe with water in it could not be pushed. We felt the resistance of the water to being compressed. Q5. Air, being a gas, can be compressed because there are large spaces between the particles so the particles can be made to come closer to each other. The plunger could not be pushed in the syringe with water because water is not as compressible as air. The particles of liquid water are closer to each other and it is difficult to push them even closer to each other.
F. Developing mastery (Leads to Formative Assessment 3) (12 mins.) Elaborate	Let the students identify examples that indicates movement of gas particles. <i>(Ex. Bursting of balloon, explosion of gas tank)</i>
G. Finding practical applications of concepts and skills in daily living (3 mins.)	Do particles of matter move? Explain.
H. Making generalizations and abstractions about the lesson (3 mins)	Why should you keep your propane(gas) tank in a cool place?  <i>Facts: Storing your propane tank inside can cause the temperature of your tank to increase and is extremely hazardous. Alongside this, you should store your propane tank in a dry, open, well ventilated area. Do not store your tank in a garage, basement, shed or attic.</i> <i>Source: How to Safely Store Your Propane Tank from https://movinginsider.com/2017/02/22/safely-store-propane-tank/</i>
I. Evaluating learning (8 mins)	Based on the activity conducted, specify your observation that would prove that gas matters move.
J. Additional activities for application or remediation (1 min)	Prepare materials needed for Activity 3 Procedure 4-6
V. REMARKS	
VI. REFLECTION	
A. No. of learners who earned 80% on the formative assessment	
B. No. of learners who require additional activities for remediation.	
C. Did the remedial lessons work? No. of learners who have caught up with the lesson.	
D. No. of learners who continue to require remediation	
E. Which of my teaching strategies worked well? Why did these work?	
F. What difficulties did I encounter which my principal or supervisor can help me solve?	
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?	

Prepared by:

Teacher

Checked by

School Head

Observed by:
