

 GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	IV
	Teacher:		Learning Area:	SCIENCE
	Teaching Dates and Time:	SEPTEMBER 5 - 9, 2022 (WEEK 2)	Quarter:	1st Quarter

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
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I. OBJECTIVES					
A .Content Standards	The learners demonstrate understanding of changes that materials undergo when exposed to certain conditions.				
B .Performance Standards	The learners able to evaluate whether changes in materials are useful or harmful to one's environment				
C. Learning Competencies/ Objectives Write the LC code for each	Describe changes in solid materials when they are bent, pressed, hammered, or cut;				
II. CONTENT	"Changes in Solid Materials When Bent"			"Changes in Solid Materials when they are Pressed"	
III. LEARNING RESOURCES					
A. References					
1. Teacher's Guide pages					
2. Learner's Materials pages					
3. Textbook pages					
4. Additional Materials from Learning Resource (LR) portal					
B. Other Learning Resources / materials					
IV. PROCEDURES					
	WHAT'S IN: Directions: Put a smiley face on the solid material and a sad face if it is not. Do this in your notebook. ____1. juice ____ 6. paper ____2. cup ____ 7. vinegar ____3. flower vase ____ 8. notebook ____4. soy sauce ____ 9. pencil ____5. bottle ____10. table	WHAT'S MORE: Directions: Draw the following shapes state stated below to describe the changes that took place in each material. Activity 1: "What Changes Took Place, Anyway?" ☐ if there is a change in shape ☐ if there is a change in size ☐ if there is no change ☐ if there is a change in both the size and shape 1. bent rubber slippers - _____ 2. bent tie wire - _____	WHAT I CAN DO: Directions: Answer the questions briefly. Write your answers in your Science notebook. a. Draw and identify situations at home where bending of solid material is applied. (Apply your knowledge about changes in matter to solve some of your problems in your daily life). b. You and your brother are playing chase me, and you accidentally (tear, cut, split) the front part of your rubber slipper.	WHAT'S NEW Directions: Perform the different activities indicated in this lesson. Write your answers in your Science notebook. Note to Parent/Learning Facilitator: Always remind your child to observe the following precautionary measures in doing this activity: Be careful in handling empty bottles. Use gloves to protect your hands. Remember not to eat the	Activity 2: "Materials that can be Pressed" Directions: Study the pictures below. Draw a star ★ before the number if the picture shows a material that can be pressed and a circle ○ if not. Answer this in your Science notebook. 1.  6.  2.  7. 

3.	bent	metal	spoon	-
4.	bent	staple	wire	-
5.	bent	paper	clip	-

You saw a piece of safety pin on the sidewalk. What will you do to fix your slippers?

c. Mang Jose bought several pieces of tie wire from the hardware. On his way home, some pieces of the tie wire were accidentally bent. Describe what change/s happened to the property/ies of the tie wire when it was bent.

leftover food items used in this activity.

Remind your child of the safety protocols especially washing their hands before and after handling the materials. Materials should be sanitized as well. Always guide and supervise your child at all times while doing this activity.

Activity 1: “What Happens to Solid Materials when they are Pressed?”

What you need:
ripe banana *pandesal* or any kind of bread
modeling clay
paper cup
small wood/empty glass/bottle/large stone

What to Do:

1. Using a piece of wood or empty glass or bottle or large stone, press each of the given materials.

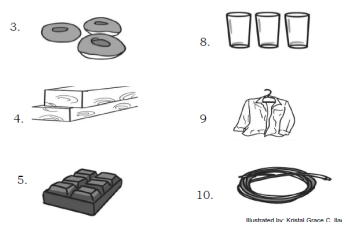
2. Observe and describe what happens to each material.

3. Copy the table below in your notebook and record your observations.

Materials	What happened to material when pressed?
modeling clay	
ripe banana	
<i>pandesal</i> or any kind of bread	
paper cup	

Guide Questions:

1. What happened to solid materials when pressed?



What I Can Do

Directions: Draw and identify situations in your home where pressing of solid materials is applied. Write your answers in your Science notebook.

				2. Was there a new material formed when the solid materials were pressed? 3. What characteristics of solid materials were evident in this activity?																																																													
	WHAT’S NEW: Note to Parent/Guardian: Guide your children while doing the various activities in this module. Remind them to observe precautionary measures and to be careful in handling the materials while performing the activity. To the Learner: Directions: Perform each activity and answer the questions that follow. Write your answers in your Science notebook. Activity 1: “What Happens to Solid Materials When Bent?” What you need: plastic ruler paper clip 1 pc of rubber slippers electric wire metal spoon tie wire What to do: 1. Bend each of the given materials. Observe and describe what happens to each material. 2. Copy and fill-out the table below in your notebook.	WHAT I HAVE LEARNED: Directions: Complete the statement. Write your answers in your Science notebook. When materials are bent, there is a change in 1. _____, 2. _____, but 3. _____ new material is 4. _____. Only the 5. _____ of the materials is changed.	ASSESSMENT: A. Directions: Describe and identify the changes that took place in each picture. Write your answers in your Science notebook. 1.  2.  3.  4.  5.  B. Directions: Put a check mark (✓) on the proper column that best describes the characteristics of each material when bent. Write your answer in your Science notebook. <table><tr><th>Materials</th><th colspan="2">Change in</th><th colspan="2">Was new material formed?</th></tr><tr><th></th><th>Size</th><th>Shape</th><th>Yes</th><th>No</th></tr><tr><td>1. plastic ruler</td><td></td><td></td><td></td><td></td></tr><tr><td>2. staple wire</td><td></td><td></td><td></td><td></td></tr><tr><td>3. metal spoon</td><td></td><td></td><td></td><td></td></tr><tr><td>4. rubber slippers</td><td></td><td></td><td></td><td></td></tr><tr><td>5. paper clips</td><td></td><td></td><td></td><td></td></tr><tr><td>6. steel</td><td></td><td></td><td></td><td></td></tr><tr><td>7. pin</td><td></td><td></td><td></td><td></td></tr><tr><td>8. rubber shoes</td><td></td><td></td><td></td><td></td></tr><tr><td>9. safety pin</td><td></td><td></td><td></td><td></td></tr><tr><td>10.tie wire</td><td></td><td></td><td></td><td></td></tr></table>	Materials	Change in		Was new material formed?			Size	Shape	Yes	No	1. plastic ruler					2. staple wire					3. metal spoon					4. rubber slippers					5. paper clips					6. steel					7. pin					8. rubber shoes					9. safety pin					10.tie wire					WHAT IS IT:  Solid materials have definite shape and volume. They have different characteristics/properties such as: size, shape, color, texture, and weight. Solid materials can be pressed. When pressed, these materials may change their size and shape. Other solid materials may also change their texture when pressed. However, no new material is formed because only the physical appearance of the material is changed. WHAT’S MORE: Directions: Using the letters of the alphabet, decode the numbers to get the hidden words which correspond to the materials that can be pressed.	ASSESSMENT: A. Directions: Read each question / statement then answer the following questions that follow. For questions 1 – 3 describe and identify the changes that took place in each picture. Write your answers in your Science notebook. 1.  2.  3.  4. Angelo is playing with his modeling clay. As he pressed it, he was able to make different toys as shown in the pictures below.    Which of the following describes the modelling clay when it was pressed by Angelo? The clay changed its _____. a. size and color b. size and shape c. volume and odor d. volume and color 5. Liza flattened a pizza dough using a rolling pin. Which of the following actions did she use to change the pizza dough's shape? a. bending b. hammering c. pressing d. stretching
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J. Additional activities for application or remediation					
V. REMARKS					
VI. REFLECTION					
A. No. of learners who earned 80% on this formative assessment	Jose Rizal _____ Ninoy Aquino _____	Jose Rizal _____ Ninoy Aquino _____			Jose Rizal _____ Ninoy Aquino _____
B. No. of learners who require additional activities for remediation	Jose Rizal _____ Ninoy Aquino _____	Jose Rizal _____ Ninoy Aquino _____			Jose Rizal _____ Ninoy Aquino _____
C. Did the remedial lessons work? No. of learners who have caught up the lesson	Yes ☐ No ☐ Jose Rizal _____ Ninoy Aquino _____	Yes ☐ No ☐ Jose Rizal _____ Ninoy Aquino _____			Yes ☐ No ☐ Jose Rizal _____ Ninoy Aquino _____
D. No. of learners who continue to require remediation	Jose Rizal _____ Ninoy Aquino _____	Jose Rizal _____ Ninoy Aquino _____			Jose Rizal _____ Ninoy Aquino _____
E. Which of my teaching strategies worked well? Why did these work?					
F. What difficulties did I encounter which my principal or supervisor help me solve?					
G. What innovation or localized materials did I used/discover which I wish to share with other teacher?					