

WEEKLY LEARNING PLAN

Quarter	1	Grade Level		4
Week	2	Learning Area		SCIENCE
MELCs	Describe changes in solid materials when they are bent, pressed, hammered, or cut;			
Day	Objectives	Topic/s	Classroom-Based Activities	Home-Based Activities
1	• identify characteristics of solid materials in terms of size, shape, texture; • describe what happens to the solid materials when they are bent;	“Changes in Solid Materials”	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	Answer the Learning Tasks found in SCIENCE 4 SLM. Write you answers on your Notebook/Activity Sheets. Learning Task No. 1: (This task can be found on page ____)
2	• identify some changes happened to solid materials when pressed; • describe the change/s that happen/s in solid materials when pressed; • identify some ways of changing solid materials in terms of size, shape, texture by hammering;		WHAT’S MORE: Directions: Draw the following shapes state stated below to describe the changes that took place in each material. 1. bent rubber slippers - _____ 2. bent tie wire - _____ 3. bent metal spoon - _____ 4. bent staple wire - _____ 5. bent paper clip - _____	Learning Task No. 2: (This task can be found on page ____)
3	• identify materials which can be cut; • describe the change/s that happen/s in solid materials when hammered; and • describe what happens to solids when cut.		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. You saw a piece of safety pin on the sidewalk. What will you do to fix your slippers?	Learning Task No. 3: (This task can be found on page ____)

			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.											
4			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 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 <i>pandesal</i> 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. <table><tr><th>Materials</th><th>What happened to material when pressed?</th></tr><tr><td>modeling clay</td><td></td></tr><tr><td>ripe banana</td><td></td></tr><tr><td><i>pandesal</i> or any kind of bread</td><td></td></tr><tr><td>paper cup</td><td></td></tr></table> Guide Questions: 1. What happened to solid materials when pressed? 2. Was there a new material formed when the solid materials were pressed? 3. What characteristics of solid materials were evident in this activity?	Materials	What happened to material when pressed?	modeling clay		ripe banana		<i>pandesal</i> or any kind of bread		paper cup		Learning Task No. 4: (This task can be found on page ____)
Materials	What happened to material when pressed?													
modeling clay														
ripe banana														
<i>pandesal</i> or any kind of bread														
paper cup														
5			Activity 2: “Materials that can be Pressed”	Answer the Evaluation that can be found on page ____.										

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.  | 8.  |
| 4.  | 9.  |
| 5.  | 10.  |
- Illustrated for Kinesthetic Concepts © Ben

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.

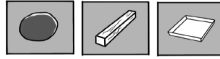
ASSESSMENT:

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.  | <div style="border: 1px solid black; width: 80px; height: 20px;"></div> |
| 2.  | <div style="border: 1px solid black; width: 80px; height: 20px;"></div> |
| 3.  | <div style="border: 1px solid black; width: 80px; height: 20px;"></div> |

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.



Illustrated by Kristal Grace C. Igo

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

B. Directions: Put a check mark (✓) on the space provided if the given materials can be pressed and (X) mark if not. Do this in your notebook.

- ___ 1. metal spoon ___ 6. tiles
- ___ 2. ripe papaya ___ 7. sandwich
- ___ 3. pillow ___ 8. stuffed toys
- ___ 4. paper ___ 9. wooden plate
- ___ 5. mat ___ 10. ceramic pots