GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	IV
	Teacher:	File created by Sir BIENVINIDO C. CRUZ JR	Learning Area:	SCIENCE
	Teaching Dates and Time:	OCTOBER 10 – 14, 2022 (WEEK 8)	Quarter:	1ST QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I. OBJECTIVES	Describe what happens to solid materials when mixed with other solid materials.	Describe what happens to solid materials when mixed with other liquid materials.		Describe what happens to liquid materials when mixed with other liquid materials	
A .Content Standards	The learners demonstrate understanding of changes that materials undergo when exposed to certain conditions.				
B .Performance Standards	The learners should be able to evaluate whether the changes in materials are useful or harmful to one's environment				
C. Learning Competencies/ Objectives Write the LC code for each	Describe changes in properties of materials when conditions such as temperature or when mixed with other materials S4MT-Ig-h-6				
II. CONTENT	**Lesson 12 : Changes in the properties of the materials when mixed with other materials**				
III. LEARNING RESOURCES					
A. References					
1. Teacher's Guide pages	pp. 53-56	pp. 56-58	pp. 56-58	pp.59-60	pp. 59-60
2. Learner's Materials pages	pp. 40-44	pp. 44 - 47	pp.44- 46	pp. 46- 49	pp.46-49
3. Textbook pages					
4. Additional Materials from Learning Resource (LR) portal					
B. Other Learning Resources / materials	Sand and pebbles, rice grains and corn grits, instant coffee and creamer, rock salt and pepper, white sugar and iodized salt, paper clips staple wires	Ginger, clear drinking glass, water, vinegar, cooking oil, rubbing alcohol, sand, flour, salt, pepper, vetsin, dye coloring , malunggay leaves		Clear drinking glass, soy sauce and vinegar, cooking oil and water, alcohol and water, fish sauce and vinegar, soy sauce and cooking oil, softdrinks and water	
IV. PROCEDURES					
A. Reviewing previous lesson or presenting the new lesson	What happens to some solid materials when exposed to different temperatures? When heated? When cooled?	What happened to the solid materials when mixed with other solid material?	What are the solid materials we mixed with liquid materials in our yesterday activity ?	What happened to the solid materials when mixed with other solid material?	Recall the observations/ results about Lesson 12: Activity 3
B. Establishing a purpose for the lesson	-"Do you eat fruit salad? Do you know how fruit salad is prepared?	Have you seen your mother preparing coffee in the morning ? What are the things she mixes to prepare coffee ?	Cite some changes observed in solid materials when mixed with liquid .	Bubble-making Activity (See TG, p.60)	

C. Presenting examples / instances of the new lesson	-List down the ingredients that are needed in making fruit salad.	Do an activity where in pupils will understand the word " dissolve "		*Where do bubbles come from? *What materials were mixed to produce the bubbles?	
D. Discussing new concepts and practicing new skills #1	-See pp 41 of the LM for the group activity. Emphasize the precautionary measures before doing the activity.	Introduce the activity. See pp 44 of the LM for the group activity. Lesson 12 : Activity 2 Emphasize the precautionary measures before doing the activity.		Introduce the activity. See pp 46 of the LM for the group activity. Lesson 12: Activity 3 Emphasize the precautionary measures before doing the activity.	
E. Discussing new concepts and practicing new skills #2	Group Reporting and presentation of data. - The teacher further explains the lesson. Which pair of the materials can still be distinguished after mixing them? -Have them fill out the chart in their LM, p.42	Group Reporting and presentation of data. What happens to solid materials when mixed with the liquid materials ? The teacher clarifies misconceptions when needed.		Group Reporting and presentation of data. What liquid materials mixed completely? What made this happen? What liquid materials did not mix completely? What made this happen? The teacher clarifies misconceptions.	
F. Developing Mastery (Leads to Formative Assessment)	-Explain the background information (pg 43of LM) -Have the pupils master the concepts.		Check pupils responses to the yesterday activity questions. What are the solid materials that can/cannot be completely dissolved in the liquid materials ? What are the different changes you observed when solid and liquid materials are mixed ?		-Explain the background information (pg 46of LM) -Have the pupils master the concepts. Original File Submitted and Formatted by DepEd Club Member - visit depedclub.com for more
G. Finding practical application of concepts and skills in daily living	*What is formed when 2 or more material are combined? When some materials are combined, can we still separate them?		Cite examples of solid materials that are mixed with the liquid materials they observed at home. Describe the changes.		When some liquid materials are combined with liquid, can we still separate them?
H. Making generalizations and abstractions about the lesson	*What happened to the solid materials when mixed with other solid material?		*What happens to the solid materials when mixed with the liquid materials ?*		*What happens to the liquid materials when mixed with the other liquid materials?
I. Evaluating learning	Formative assessment may be done by considering the activity output and/or the pupils participation during discussion		Formative assessment may be done by considering the activity output and/or the pupils participation during the discussion.		Formative assessment may be done by considering the activity output and/or the pupils participation during the discussion.

J. Additional activities for application or remediation	Bring the following materials: sand, water, vinegar, salt, oil, flour, pepper, vetsin, ginger, rubbing alcohol, dye,		Bring the following materials: Soy sauce, vinegar, alcohol, soda, coco milk, fish sauce		List some liquid materials that mixed completely in liquid materials

V.REMARKS					
VI.REFLECTION					
A. No. of learners who earned 80% in the evaluation	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above	___ of Learners who earned 80% above
B. No. of learners who require additional activities for remediation who scored below 80%	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation	___ of Learners who require additional activities for remediation
C. Did the remedial lessons work? No. of learners who have caught up with the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson	___Yes ___No ____ of Learners who caught up the lesson
D. No. of learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation	___ of Learners who continue to require remediation
E. Which of my teaching strategies worked well? Why did these work?	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories	*Strategies used that work well:* ___ Group collaboration ___ Games ___ Power Point Presentation ___ Answering preliminary activities/exercises ___ Discussion ___ Case Method ___ Think-Pair-Share (TPS) ___ Rereading of Paragraphs/ Poems/Stories

	Poems/Stories ___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks	___ Differentiated Instruction ___ Role Playing/Drama ___ Discovery Method ___ Lecture Method *Why?* ___ Complete IMs ___ Availability of Materials ___ Pupils' eagerness to learn ___ Group member's Cooperation in doing their tasks
F. What difficulties did I encounter which my principal or supervisor can help me solve?	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils	__ Bullying among pupils __ Pupils' behavior/attitude __ Colorful IMs __ Unavailable Technology Equipment (AVR/LCD) __ Science/ Computer/ Internet Lab __ Additional Clerical works __Reading Readiness __Lack of Interest of pupils
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures	*Planned Innovations:* __ Localized Videos __ Making use big books from views of the locality __ Recycling of plastics to be used as Instructional Materials __ local poetical composition __Fashcards __Pictures