



Lesson Exemplar for Science







Lesson Exemplar for Science Grade 4 Quarter 1: Week 6

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MATATAG	School	Grade Level	4
K to 10 Curriculum	Name of Teacher	Learning Area	Science
Weekly Lesson Log	Teaching Dates and Time	Quarter	Ι

	DAY 1	DAY 2	DAY 3	DAY 4			
I. CURRICULUM C	(. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES						
A. Content Standards	Learners demonstrate communication skills and open-mindedness in solving environmental issues.						
B. Performance Standards	By the end of the Quarter, learners describe chemical properties of materials and its changes when exposed to certain conditions; demonstrate an understanding that science processes can solve everyday problems; use creativity and determination to provide examples; and exhibit objectivity and open-mindedness in gathering information related to environmental issues and concerns in the community.						
C. Learning Competencies	Identify issues and concerns in the local community and cite ways on how they could be addressed by science, such as the treatment of waste.	Identify issues and concerns in the local community and cite ways on how they could be addressed by science, such as the treatment of waste.	Identify issues and concerns in the local community and cite ways on how they could be addressed by science, such as the treatment of waste.	Identify issues and concerns in the local community and cite ways on how they could be addressed by science, such as the treatment of waste.			
D. Learning Objectives	At the end of the lesson, the learners should be able to: 1. identify the existing problem which can be solved through science. 2. explain how the existing environmental problem can be solved through science; and 3. make a journal entry focusing on the application of science in	At the end of the lesson, the learners should be able to: 1. verify the proposed solution/s to the existing environmental issues and concerns by conducting simple research. 2. select the doable solution based on their capabilities; and 3. write an appreciation note in the journal for the application of science in	At the end of the lesson, the learners should be able to: 1. collaborate with peers to come up with the possible solution to the existing environmental issues and concerns. 2. come up with an agreement on how the existing environmental issues and concerns will be addressed; and	At the end of the lesson, the learners should be able to: 1. communicate the solution agreed upon by the group through various means (writing a letter to the barangay official or city official, composing a song or poem, process flow or diagram, poster, slogan or any creative and innovative way of communicating the proposed solution)			



	addressing environmental issues and concerns.	solving environmental issues and concerns.	3. express commitment in addressing the existing environmental issues and concerns.	
E. Instructional Design framework feature (s)	Ideational (conceptual understanding) Integrative (application of concepts) Context (real-world situations) Collaboration (interaction among learners) Experience (real-world application & authentic experience) Empathize (fostering emotional intelligence)	Ideational (critical thinking & application of knowledge) Innovation (creativity and originality) Explore (gathering information) Experience (immersive learning, real-world application) Context (real-world situation) Connection (practical application)	Collaboration (interaction among learners) Ideational (application of knowledge Integrative (problem solving) Explore (active investigation) Experience (real-world applications) Empathize (cultivating supportive environment)	Innovative (forward- thinking/creativity and originality) Collaboration (Group projects) Creativity (designing engaging activities
F. 21 st Century Skills	Information, Media and Technology – information literacy Learning & Innovation – reflective thinking Communications Skills Teamwork & collaboration Life and Career skills – informed decision making & adaptive leadership	Information, Media and Technology –information literacy Learning & Innovation – reflective thinking, openness Communications Skills Teamwork & collaboration Life and Career skills – informed decision making & adaptive leadership	Information, Media and Technology –information literacy Learning & Innovation – reflective thinking, creativity Communications Skills Teamwork & collaboration Life and Career skills – informed decision making & adaptive leadership	Information, Media and Technology –information literacy Learning & Innovation – reflective thinking, creativity Communications Skills Teamwork & collaboration
II. CONTENT	Gathering Scientific Information	Gathering Scientific Information	Gathering Scientific Information	Gathering Scientific Information



III. LEARNING RESOURCES				
A. References	One Planet Network. (2021, February 19). Ecological Solid Waste Management Act of 2000 (RA 9003). https://www.oneplanet network.org/knowledge - centre/policies/ecologic al-solid-waste- management-act-2000- ra-9003	One Planet Network. (2021, February 19). Ecological Solid Waste Management Act of 2000 (RA 9003). https://www.oneplanetnetw ork.org/knowledge- centre/policies/ecological- solid-waste-management- act-2000-ra-9003	One Planet Network. (2021, February 19). Ecological Solid Waste Management Act of 2000 (RA 9003). https://www.oneplanetnetw ork.org/knowledge- centre/policies/ecological- solid-waste-management- act-2000-ra-9003	One Planet Network. (2021, February 19). Ecological Solid Waste Management Act of 2000 (RA 9003). https://www.oneplanetnetwor k.org/knowledge- centre/policies/ecological- solid-waste-management-act- 2000-ra-9003
B. Other Learning Resources	City Ordinance on Waste Management Barangay Environmental Report	City Ordinance on Waste Management Barangay Environmental Report	City Ordinance on Waste Management Barangay Environmental Report	City Ordinance on Waste Management Barangay Environmental Report
IV. TEACHING AND	D LEARNING PROCEDURI	ES		
Before/Pre-Lesson	Proper			
Activating Prior Knowledge	The teachers will ask the learners to: Show or present the group's consolidated observations from their immediate communities or surroundings from yesterday's lesson. Selected learners will also be asked to present their interview output. Note to the Teachers: Help students remember the lesson's key points.	The teacher will: Return the learners' journal notebooks and discuss common observations based on their journal entries. Consider the following in the flow of discussion: A. Common environmental problem/s B. Properties of Materials the learners proposed to apply in addressing	The teacher will: Return the journal notebook of the learners and discuss common observations on their appreciation notes. The teacher may group the learners with similar output they plan to produce based on the appreciation note. <i>Note to the Teachers:</i> <i>Help students remember the</i> <i>lesson's key points.</i>	The teacher will ask the learners to: Each group will read the commitment letter they wrote the previous day. Note to the Teachers: Review what was learned in the previous lesson.



		environmental problem Note to the Teachers: Review what was learned in the previous lesson.		
Lesson Purpose/Intention	Following discussion on the current environmental conditions from the learners' community, the teacher will show this equation and ask the learners to interpret it.	Having recalled all the environmental problems and the properties of materials which can be used to solve them, the teacher will ask the learners: how can they be sure that the identified properties of materials are the keys in solving the environmental problems? The teacher may give a follow up question: What will you do to know that the properties of materials can help solve the environmental problems? Until the word verify is mentioned. The teacher will introduce the article and explain: Let's find out from the article how verification was done by Marlo. Before reading the article, the learners will define the words that they will encounter in the reading selection.	Image: Constraint of the sector will ask the learners for their ideas on the icon, encouraging collaboration in solving existing environmental problems.But before this activity, the teacher will introduce Mateo, the character for the day's story.	 The teacher will show the following: a. cellphone b. radio c. ballpen *The teacher may use other materials or gadgets for as long as it can be used for communication purposes. The teacher will ask: What is common to all of these? The expected answer is that all of them can be used in communication. The teacher will introduce the article by saying: Let us learn how communication became part of a movement for solving environmental problems. For Day 4, the learners are now ready to communicate the agreed solution to the environmental problem their group would like to solve.



	Activity: V	Word Hunt	Activity: Pass a Word	Activity: Catch the Ball	Activity: "Pares Pares"
Labor Language	Scattered i classroom written on cards. The ask the lea one word. will look fo who found word as th will group discuss the about the the word the representa each group the group's the word.	inside the are words the meta- teacher will arners to find The learners or classmates the same eirs. They together and eir ideas meaning of hey found. A tive from o will report s idea about	 The teacher will prepare five (5) sets of cards with words/phrases. The five (5) groups will be given one (1) set each. Each group of learners will form a circle. The teacher plays an upbeat song while the learners pass the cards. When the teacher stops playing the song, the learner holding the card will define the word/phrase written on the card. Word/s in each card: 1. environmental issues 2. recycling program 	The teacher will use five (5) balls with written words. The ones who will catch the ball will give the meaning of the word. 1. eco-conscious 2. deforestation 3. biodiversity 4. single use plastics 5. collaboration Note to Teacher: The teacher may change the list of words/phrases based on the learners' conchilities	The words to be defined will be printed on paper. Each group will be given 1 set (the words to be defined and the definition). The learners in each group will be instructed to pair the words with their definitions. Words: 1. environmental stewardship 2. plastic pollution 3. consumption 4. plastic footprint Definition: taking care of nature
Practice	Color	Words	3. verify 4. proposed solution		plastic is thrown away and it
	1. yellow	Lush trees	5. effectiveness Note to Teacher:		ends up hurting animals and making our planet dirty
	2. green	litter	The teacher can adjust the words/phrases based on		using up things like food, toys, or energy.
	3. orange	air pollution	students' abilities.		how much plastic is used in daily life, like using plastic bags, bottles, or toys, which
	4. blue	keen eye			can affect the environment
	5. pink	unpleasant			
	1				



	Note to Teacher: The teacher may change the list of words/phrases based on the learners' capabilities.			
During/Lesson Pro	oper			1
	The teacher will ask the learners to read the story/article.	The teacher will ask the learners to read the story/article.	The teacher will ask the learners to read the story/article.	The teacher will ask the learners to read the story/article.
	Title: My Beloved Forest	Title: "The Urban Green Adventure"	Title: The Plastic Predicament	Title: Lily's Green Mission
Reading the Key Idea/Stem		THE REPORT OF	<image/>	
	In a neighborhood called Rainbow Ville, there lived a group of adventurous kids who loved playing outside. Among them was Gia, a curious kid with a keen eye for nature.	At the heart of the busy city of Metroburg, Marlo, a 9- year-old boy resides. Surrounded by towering buildings and busy streets, Marlo often wondered about the health of the city he called home. One day, he heard about a proposed solution to address the	In the lively city, Mateo noticed something troubling – plastic waste was everywhere. With a desire to find a solution, he decided to apply his knowledge of materials and research to tackle the problem.	One bright sunny day, Lily's family had a picnic in Greenridge Park, where Lily noticed the once-clear stream was now littered with plastic bottles and wrappers. Determined to restore the beauty of her favorite spot, Lily decided to take matters into her own hands.



One sunny afternoon,	environmental issues	Mateo remembered learning	
Gia and her friends	affecting Metroburg, and he	about the difference	Armed with a newfound
decided to explore the	decided to engage on an	between biodegradable and	passion for environmental
nearby forest. As they	adventure to verify its	non-biodegradable materials	stewardship, Lily spent days
ventured deeper into	effectiveness.	in school. With this	researching the impact of
the woods, they noticed		knowledge, he decided to	plastic pollution and its
something unusual -	Equipped with his backpack	research to understand how	consequences on wildlife. She
the once lush trees	and a pair of binoculars.	plastics affect the	discovered that marine life
were looking dull, with	Marlo set out to explore his	environment.	suffered tremendously from
leaves turning brown	city. He started by visiting		our plastic consumption, and
and falling off.	the local community center.	Mateo visited local experts	it broke her heart. Lilv knew
	where a meeting was being	and interviewed residents	she had to do something
Concerned. Gia and her	held to discuss the proposed	about their views on plastic	about it
friends examined the	solution. Grown-ups from	pollution. He discovered	
ground and discovered	different neighborhoods	that non-biodegradable	With unwavering
piles of litter scattered	were sharing their concerns	plastics were causing harm	determination Lilv drafted
around – empty chip	and ideas for a greener	to animals and clogging up	and shared a plan to address
bags, plastic bottles	Metrohurg	rivers and oceans.	the issue with her family
and candy wrappers	menoburg.		Excitedly she proposed
They frowned at the	Inspired by their passion	Inspired by his findings, he	organizing a community event
sight and wondered	Marlo asked "How can we	decided to take action by	to raise awareness about the
how it got there	be sure this solution will	organizing a clean-up day in	harmful effects of plastic
now negot therei	really make our city better?"	EcoTown, rallving his	pollution and to introduce
Further along their	The community leader	friends and neighbors to	simple eco-friendly
journey, they stumbled	smiled and said "Great	ioin in Armed with gloves	alternatives
upon a stream that	question Marlol We need to	and trash bags, they	alternatives.
used to be clear. But	test it on a small scale first	combed the streets picking	The following Saturday, Lily
now, it was muddy and	to see if it works before	up plastic waste	stood nervously in front of her
filled with trash. Lilv's	implementing it cituride "	up plastic naster	neighbors gathered at
heart sank as she	Excited about the challenge	But Mateo knew that simply	Greenridge Dark With a
watched a family of	Marla decided to create a	cleaning up wasn't enough.	bandmade poster displaying a
ducks struggling to	mini experiment in his even	He wanted to find a way to	aloor monogoo "Lot's Malzo
swim through the dirty	naighborhood	reduce plastic pollution for	Crean message - Let's make
water	He gothered his friends and	good. That's when he	she began her speech "Hey
water.	together they planted a	remembered reading about	everyonal I'm Lily and Llava
While continuing their	community gordon in a	biodegradable alternatives	our town But our booutiful
exploration. Gia noticed	woont lot. They used the	to plastic	porte in drowning in plastic
something else	proposed solution and	to plastic.	park is drowning in plastic,
sometime cibe	proposed solution and		



troubling – the air	carefully monitored the	With determination in his	and I think we can fix it
smelled unpleasant,	plants' growth, air quality,	heart, Mateo conducted	together!"
like a mix of exhaust	and the overall atmosphere	more research to learn	
fumes and something	of their small green haven.	about these eco-friendly	Lily explained the
burnt. She remembered		materials. He discovered	consequences of single-use
learning in school about	As weeks passed, Marlo and	that products like	plastic, using a jar filled with
air pollution and how it	his friends noticed positive	compostable cups and	water and plastic to showcase
could harm plants,	changes. The air felt fresher,	biodegradable bags could	the impact on aquatic life. Her
animals, and people.	and the garden blossomed	break down naturally over	eyes sparkled with a mix of
	with vibrant colors.	time, leaving no harmful	innocence and determination
Back in Rainbow Ville,	Encouraged by their	residue behind.	as she shared her proposed
Gia couldn't ignore	success, they presented		solution – a town-wide
what she had seen. She	their findings to the	Excited by this discovery,	initiative to reduce single-use
shared her observations	community. The grown-ups	Mateo shared his findings	plastics and adopt more
with her parents, who	were impressed and decided	with the community. He	sustainable practices.
listened attentively.	to implement the solution in	encouraged local businesses	_
They explained to her	other neighborhoods, too.	to switch to biodegradable	To make her message
that the forest, the		alternatives and even	memorable, Lily engaged the
stream, and the air	Marlo's adventure didn't	started a petition to ban	crowd with interactive games
were all part of the	stop there. He created a City	single-use plastics in	and demonstrations. She
environment, and they	Green Club, inviting kids	EcoTown.	encouraged them to bring
needed to take care of	from different parts of		their own reusable bags,
them.	Metroburg to join in the fun.	Thanks to Mateo's efforts,	water bottles, and containers
	With a desire to find a	the city began to change.	to reduce plastic waste. Lily
Gia couldn't help but	solution, he decided to apply	Non-biodegradable plastics	also suggested organizing a
feel sad about the state	his knowledge of materials	were replaced with eco-	monthly community clean-up
of their beloved forest	and research to tackle the	friendly alternatives, and	day, turning the effort into a
and stream. She knew	problem.	the streets became cleaner	fun and collaborative event for
they needed to do		than ever before.	families.
something to help, but	Word of Marlo's Urban		As she concluded her speech,
she wasn't sure where	Green Adventure spread	But Mateo didn't stop there.	Lily's infectious enthusiasm
to start. With	throughout the city. Soon,	He knew that education was	had already started to spread.
determination in her	other kids joined the	key to solving the plastic	The community members,
heart, Gia decided to	movement, turning	predicament for good. So,	inspired by the sincerity of a
seek guidance from her	Metroburg into a greener	he worked with his school to	9-year-old, pledged to
triends and the grown-	and more eco-friendly place.	teach other kids about the	embrace Lily's green mission.
ups in Rainbow ville.	The once gray cityscape	importance of using	
	transformed into a colorful		



Together, they learn	mosaic of green parks and	biodegradable materials and	In the months that followed,
more about the	community gardens.	reducing plastic waste.	Greenridge transformed into a
environmental issues			hub of eco-conscious activity.
they observed and how	Marlo and his friends	As the sun set on EcoTown,	Lily's proposed initiatives
they could make a	became the heroes of	Mateo looked out at the city	gained momentum as
difference by applying	Metroburg, showing	with pride. Thanks to his	families, local businesses, and
their knowledge on the	everyone that by verifying	knowledge of materials and	schools joined forces to
properties of materials.	solutions and taking small	research, he had helped	reduce their plastic footprint.
Little did they know,	steps, even a highly	make his community a	The once-polluted stream in
their journey would	urbanized city could become	cleaner and greener place to	Greenridge Park now sparkled
lead them to discover	a haven for nature. And so,	live. And he knew that with	with newfound clarity, thanks
the power of knowledge	the city continued to grow	determination and science,	to the collective efforts of the
application, teamwork,	and thrive, thanks to the	a solution to an	community.
and the importance of	determination and curiosity	environmental problem is	
protecting the	of a young boy who believed	possible.	Lily's green mission became a
environment.	in making a difference.		symbol of hope and
		Note: This is an AI generated	inspiration, demonstrating
Note: This is an AI	Note: This is an AI generated	story	that even the smallest voices
generated story	story		could create significant
Guide Questions:			change. The town of
1. What are the	Guide Question/s:	Guide Questions:	Greenridge learned a valuable
environmental problems		1. What is the	lesson from a determined 9-
mentioned in the story?	1. What seems to be the	environmental problem	year-old – that the power to
Ans.	environmental problem in	identified by Mateo?	protect our planet lies within
The leaves of the trees	Metroburg?		each of us, regardless of age.
are getting dry, muddy		The plastic pollution in the	And so, with Lily leading the
streams, and files of	Metroburg is already	place where Mateo	way, Greenridge blossomed
garbage.	polluted and Marlo is	resiaes.	into a shining example of how
	concerned with the health		a united community could
2. Do you have similar	of the residents in the city.	2. What did Mateo do to	overcome environmental
environmental problems		offer a solution to the	challenges, one plastic-free
with Gia? Make a Venn	2. How did Marlo verify the	problem?	step at a time.
diagram to represent	proposed solution?	Mater winited logal ownerts	
your answer.	Marlo performed an	and interviewed residents	Guide Questions
	experiment to verify the	ahaut their viewed residents	1. What inspired Lily to act
	proposed solution. In a	nlastic pollution He	against plastic pollution in
	vacant lot, Marlo together	discovered that non	her town?
	with his friends planted a		



T		community cardon in a	hindogradable plantice	Lilu's determination and
		community garaen in a	were equating harm to	Luy S determination and
	$\langle X \rangle$	proposed solution and	animals and clogging up	
		carefully monitored the	rivers and oceans	2. How did Lilv engage her
		plants' growth, air quality		community in her green
		and the overall atmosphere	He decided to take action.	mission?
		of their small areen haven.	He organized a clean-up	She communicated her
	$\langle \rangle \rangle$, <u>,</u>	day in EcoTown, But	knowledge on plastic
		3. Is the work done by Marlo	Mateo knew that simply	pollution and how it can be
	T he learners may find	is doable? Explain.	cleaning up wasn't	solved to the community
	the same problem about	-	enough. He wanted to find	members and convinced
	waste disposal.	Note: The answers may vary.	a way to reduce plastic	them to join in the activities
	Different problems from	The teacher should process	pollution for good. That's	that will solve plastic
	Gia may arise from the	answers from the learners.	when he remembered	pollution for a better
	increasing heat index.		reading about	environment.
		Yes. If there is vacant	bioaegradable alternatives	
	3. What observation/s	space for gardening. Also,	ιο ριαstic.	3. What impact did Lily's
	ao you nave in your	we can have a vertical	Mateo conducted more	Initiatives have on the town of
	vou empethize with	yuruen y me space 1s limited	research to learn about	Greenridge blaccomed inte
	Gia2	unueu.	these eco-friendly	a shining example of how a
	Gia:		materials. He discovered	united community could
	We live near the river		that products like	overcome environmental
	which is also muddu		compostable cups and	challenges, one plastic-free
	and dirty aside from		biodegradable bags could	step at a time.
	that we also have		break down naturally over	1
	problems with proper		time, leaving no harmful	
	waste disposal. Like		residue behind.	
	Gia, we would like to be			
	part of the solution to		3. Do you have the same	
	the environmental		eagerness as Mateo in	
	problems.		audressing environmental	
	4 3371		issues and concerns?	
	4. What are the			
	solutions to the		Answers may yary	
	montioned in the		······································	
	article?			
	מו נוכור:			



			Vas I would like to help	
	Cia and other regidents		Tes, Twould like to help	
	Gia ana orner residentis		clean the environment.	
	learn more about the			
	environmental issues		4. What is the importance of	
	they observed and how		gathering information in	
	they could make a		using science to solve	
	difference by applying		environmental issues and	
	their knowledge on the		concerns?	
	properties of materials.			
	They apply their		Gathering information will	
	knowledge. strengthen		help in makina a well-	
	teamwork, and value		informed decision	
	the importance of			
	protecting the		5 How did collaboration	
	environment		boln in solving the	
	enduonmenu.		neip in solving the	
			Collaboration and the	
			Collaboration made the	
			work easier and better.	
			Sharing ideas and putting	
			them together to come up	
			with the solution to the	
			environmental problem	
			makes the work easier	
			and better.	
	Based on the learning	The learners will be given	The learners with their	
	activity from the	freedom to choose the way	journal entry on the verified	
	previous lesson, the	they want to verify the	application of their	
	learners will be asked to	workability of the plan they	knowledge on the properties	
	accomplish the	made in the previous lesson	of materials in addressing	
Developing	following graphic		environmental issues and	
Understanding of	organizer.	The choices for verification	concerns will collaborate to	
the Key Idea/Stem	organizer.	are as follows:	come up with the agreement	
	Croup Number	are as ionows.	on how the origing	
		b intomiony	onvironmental issues and	
			environmental issues and	
	Group Members:	c. community observation	concerns to be prioritized.	
		a. test the plan		
		1	1	



Barang	gay:	_ The teacher will guide the	The group will complete the			ete the	
		learners on making simple	table based on the				
Draw/Heatc a picture of the nature of the immediate		verification activities. This activity shall be coordinated	collaboration and				
			discussions they have.			e.	
Writes desired		with the librarian and other					
er di su sustanzione eritivizzazionali problemy (s. issue) si sud concernario (s.		colleagues as the learners	Environ -mental	Material s	Properti es of	Propose d	
		have four (4) options for	Issues	0	Material	Solutio	
		verifying the workability of	Concern		can be	n	
On the	e first row, the	the proposed plans/s.			Used to Address		
learner	rs will write or	Before they do the chosen			the		
draw or	r paste a picture	verification activity, the			and		
of the r	nature of the	group members should			Concern		
immed	iate	prioritize the doable solution					
enviror	nment. For the	because it will be the focus					
second	l row they will	of the verification activity.	1				
write a	description of		1.				
the exis	sting		2				
enviror	nmental		4.				
probler	m/s, issue/s and		3.				
concert	n/s.	*Note: To be continued the					
		next day	4.				
			 Guide Question/s: 1. What is the environmental issue and concern common to the members of the group? Explain. 2. What is/are the reason/s for giving priority to the 				
						and	
						he	
						n?	
						5.	
						ason/s	
						he	
			chosen environmental issue			al issue	
			and concern?				
			3. Discuss how the knowledge on the properties				
						operties	
			of mate	rials h	elped y	ou in	



			proposing a solution to the priority environmental issue and concern.4. As a group, prepare the final plan to address the chosen environmental issue and concern.	
Deepening Understanding of the Key Idea/Stem	 Focus the attention of the learners on the existing environmental problem/s which can be solved through science. Guide Questions: What are the existing environmental issues and concerns in your community? What are the sources of these environmental issues and concerns? Recall what you have learned about the physical and chemical properties of materials. What are those? Recall the previous lessons that we had, can you apply the concepts you have learned about the 	 The teacher will facilitate discussion on the simple verifying activity they have done. Guide Questions: Why is the process of verifying important? What could have happened if you did not observe the process of verifying? How did the application of what you have learned about the properties of materials in addressing environmental issues and concerns help? Describe the solution you have chosen in addressing environmental issues and concerns. 	(in the interest of time the teacher may use draw lots or electronic roulette in identifying 1 or 2 group/s to present, other groups work will be checked later) The teacher will ask the learners to re port the group's output. The teacher will discuss with the learners the scope and limitations the learners have in trying to address the problem. Human safety is the most important to secure.	The teacher will guide the learners choosing the communication strategy. The group should agree on how they would like to communicate the solution to the environmental problem. The teacher will observe the processes they undergo to finalize the communication strategy. Learners may consult the teachers if they have grey areas about the activity.



	properties of materials in addressing environmental issues and concerns you have observed in your community? Please choose one environmental problem and use your knowledge on the properties of material that would help solve the problem.			
After/Post-Lesson	Proper			
Making Generalizations and Abstractions	The teacher will lead the learners in realizing the following ideas: Due to the increase in population, issues and concerns regarding the increasing amount of waste arise. The amount of waste generated every day can be reduced if we know the application of the properties of waste materials such as biodegradable, non- biodegradable and reaction with other materials. Problems on vegetation can be addressed through vertical	Facilitate discussion leading the learners to the following realization: Verifying facilitates critical evaluation of information, helps one make informed and appropriate decisions, and ensures that the plan is grounded on facts rather than assumptions.	The teacher will initiate the discussion leading to the learners' realization of the following ideas: Collaboration allows the group members to access and know real-time information that will capacitate them to provide informed decisions aligned with the objectives/goals.	Communicating the proposed solution to the problem based on research will help solve the problem.



	gardening with the use of non-biodegradable and biodegradable waste.			
Evaluating Learning	Make a journal entry focusing on the connection of the properties of materials that can be used in addressing the identified environmental issues and concerns. Note to Teachers: Encourage the learners to choose one environmental issue or concern. Check the work of the learner using attached rubrics. If the rubric is not suitable for a specific group of learners, contextualize.	Write an appreciation note by completing the paragraph as your journal entry for the application of science in solving environmental issues and concerns. It's good to learn about the Knowledge about it will help solve the which will make	As a group, the learners will write a commitment letter to Mother Earth telling that the group will do the proposed solution in order to help keep a better environment. Each group member will sign the letter and post the letter in the classroom bulletin board.	The learners will produce a letter, compose a song or poem, construct process flow, make a poster, slogan or any other creative way to communicate the proposed solution to the environmental issue.
Additional Activities for Application or Remediation (if				
applicable) Remarks				
Reflection				

