

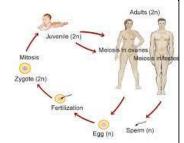
School:		Grade Level:	VI
Teacher:		Learning Area:	SCIENCE
Teaching Dates and			
Time:	JANUARY 4 - 6, 2023 (WEEK 7)	Quarter:	2 ND QUARTER

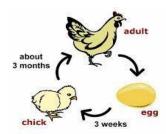
	MONDAY	THECDAY	MATERIECE	THIDCDAY	FDIDAY		
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY		
I. OBJECTIVES							
A (C C	The learners demonstrate understanding of how non flowering plants reproduce						
A.(Content Standards)	The learners demonstrate understa	nding of now non flowering plants	reproduce				
B. (Performance Standards)	The learners should be able to make a multimedia presentation on how parts of the reproductive system of spore bearing and cone-bearing plants ensure their survival						
	Make a flyer on how plants can be propagated vegetative						
C. (Learning Competencies)	Distinguish How spore bearing and non-cone bearing plants reproduce						
		S6LT-IIg-h-4					
	Describe the characteristics of		Discuss the mechanism of reprodu	iction among spore-bearing plants.	Describe the characteristics of		
	spore-bearing plants	spore-bearing plants.			cone-bearing plants		
II. (Content)	Reproduction of Non Flowering pla	nts					
III. (Learning Resources)	The production of the transfer						
A. (References)							
1. (Teacher's Guide Pages)							
2. (Learner's Materials pages)							
3. (Textbook Pages)	The New Science Links 6 pp.226-23	4 , Science and Technology 11pp.14	43-152	•	•		
4. (Additional Materials from	K to 12 Basic Education Curriculum 6 p.91						
LR Portal)							
B. (Other Learning			n, pictures, sample cone, actual mos				
Resources)				nttps://www.youtube.com/watch?v=k	YNiqAAuMnc,		
	https://www.youtube.com/watch?	v=jlOPquKF4Mk, https://www.yout	ube.com/watch?v=TdiibRXXJ6g	T	1		
IV. (Procedures)					 		
A. (Review previous	What are vertebrate animals?	What are spore-bearing plants?	Who among in the class can	What are the mechanism in	How spore-bearing plants are		
Lesson)	Invertebrate animals?	Give the characteristics of	explain briefly the life cycle of a fern?	producing spore-bearing plants?	reproducing?		
	What are the different groups of vertebrate animals? Invertebrate	spore-bearing plants. Identify examples of	iem:	Ask the pupils if they bring the materials assigned to them.			
	animals? Give examples of	spore-bearing plants.		materials assigned to them.			
	animals: Give examples of	spore-bearing plants.					
	group.						
B. (Establishing purpose for	Have you visited a garden farm or	Picture Loop:	Present a picture of a plant	Distributes to them the Activity	Present /show a picture of a		
the lesson/ Motivation)	a forest?	Show an example of a life cycle	,,	cards.	pine tree.		
	What do you see in these places?	of a human being, animals, and		Activity No.1	[
		plants.		Problem:			

Let the pupils formed the jumbles letters.

What is their work?

SONTABTI







What is shown in the three pictures?

Unlocking of Difficulties:

- 1.Sporophyte
- 2.Gametophyte
- 3.Archegonium
- 4. Antheridium





How does this plant produce itself?

How do plants reproduce without using seeds?

Materials:

Mature stem cutting of malunggay or gumamela Sweet potato Onion Toothpick Glass jar Pot with soil

Procedure:

- Prepare the different materials. Label the jar
 A, B and the pot of soil C
- Have a fresh stem of malunggay plant it in pot C
- 3. Insert toothpick to the sweet potato place tip in the mouth of the jar with water be sure that the tip reach the water jar A
- 4. Half fill jar B with water Place the onion bulb in the jar use a stick to support the bulb.
- 5. Observe the set up every day and write your observation

Observation:

- In which plant part does a new plant grow?
- 2. What are the ways of reproducing plants without using seeds?
- 3. The activity is an example of vegetative



Where do you usually see this tree? Why?
What is produce by this tree when it grows old?



Let the pupils describe this plant. Until you come up with the term cone-bearing plants Original File Submitted and Formatted by DepEd Club Member - visit depedclub.com for more

				propagation. How will you describe it? Conclusion: Make your conclusion based from the given problem.	
C. (Presenting examples or presentation/ instances of the new lesson)	Present different pictures of plants. What are common in each group of plants?	Cooperative Grouping (Differentiated instruction) Group the class into 4 Group 1 – Explain the Life cycle of a fern Group 2 – Find a fern draw identify the parts Group 3 – Explain the Life cycle of a moss Group 4 – Find a moss and draw the parts Distribution of materials per group/ Setting of Standards/ rubrics Fernas Sporophyte is large and long lived but, when young, depends on gametophyte for mutition. The Life Cycle of a Moss The Life Cycle of a Moss	Problems: 1. What are the mechanisms of reproduction among spore-bearing plants? Describe. Giving of hypothesis Maybe the mechanism of reproduction among spore-bearing plants are Setting of Standards/Rubrics group activity Note down important details Keep quite Share your ideas Video watching: https://www.youtube.com/watch?v=jlOPquKF4Mk	Video viewing: https://www.youtube.com/watch ?v=TdiibRXXJ6g What does the video show to us? Can you follow the steps shown in the video?	Present the jumbled letter IEROFSCN What word can you form out of these letters? Who can say something about the word formed? Think Pair Share: Allow each pair of learner to identify one(1) cone-bearing plant and try to describe its characteristics Reporting: Sharing of the learners about their output

D. (Discussing new concepts and practicing new skills)	What do we call these plants that do not make seeds and flowers? Unlocking of Science Vocabulary words: Teacher use the words in a sentence then pupils choose the correct meaning from the given definition. 1.Rhizome 2. Bryophytes 3. Spore 4. Seedless Video Viewing: https://www.youtube.com/watc	Allow the pupils to study the life cycle of a fern/moss using the actual materials, pictures and through video viewing https://www.youtube.com/watch?v=bpYshQ7Ym_I https://www.youtube.com/watch?v=eZ40LDWt678 Group Activity Each group will perform their assign task as the teacher supervises. Reporting of Group outputs The reporter of the group reads their outputs. What is your activity all about? What is a life cycle?	What is the video all about? What are the different mechanisms in reproducing spore-bearing plants? What is asexual reproduction? How do they do it? What other plants can be reproduce using asexual reproduction?	What does the video show to us? Can you follow the steps shown in the video? Name some plants grown in this steps	What are cone-bearing plants? Identify some samples. Why seeds of conifers are called "Naked Seeds?" What are the different characteristics of cone-bearing plants?
E. (Discussing new concepts & practicing new skills #2) F. Developing Mastery	h?v=bYNiqAAuMnc What are spore-bearing plants? What are the different examples of plants that belong to spore-bearing plants? What do we call the mature fern leaf? What are its characteristics? What are known as terrestrial plants? Describe mosses and give samples. Identify the group of	How do ferns and mosses multiply? What are fronds? Fiddleheads? What is the first stage in the life cycle of mosses? How about the ferns? What is form when the sperm fertilizes the egg in a typical mose? Call on a pupil and allow		Let the pupils describe what they	Video viewing: https://www.youtube.com/watc h?v=TdiibRXXJ6g What is the video all about? What can you say about cone-bearing plants?
(Leads to Formative Assessment 3)	spore-bearing plants and describe its characteristics.	her/him to explain the life cycle	Let the pupils/learners draw the method of asexual reproduction.	have done.	characteristics of cone-bearing plants.

	Ferres It has roots, leawer, and stem If has split braves called fronts Young ferres grow from an underground stem Spees procuding from underside of the leawer Clares in shady place. Oe not produce seeds	of spore-bearing plants using the diagram			Why are cone bearing plants important?
	Mosses No true roots No conducting tubes They grow closes to the ground to take in water and nutrients through their cell wall of rhizoids Mostly found growing in a damp log or along streams Present of leaves and stem Plants usually present in tufts Average height 1-5cms Produces spores Do not produce seeds				
G. (Finding to Practical Application of concepts and skills in daily living/ Valuing)	How are we going to help in the National Greening Program of the Government in protecting seedless plants or spore-bearing plants?	We know that some ferns can be serving as a viand. How can we let them multiply? Aside from source of food, what are the other importance of spore-bearing plants to us and animals?	You have some potatoes at home, how can you reproduce some of it in your backyard?	How can you help propagate more plants at home?	You have pine tree at home with lots of cone produce and it's nearly Christmas season and you don't have money to buy decoration to submit to your teacher for your project in Arts. What are you going to do with it to save money?

H. (Making Generalization & Explain the mechanism of Let the learners fill up the Let the pupils explain the life Spore-bearing Abstraction about the lessons) cycle of spore-bearing plants. reproducing spore-bearing plants semantic webbing about the **Plants** With the guidance of the characteristics of Cone-bearing teacher. plants "Life Cycle of Ferns" Spore-producing Sporangium releases its spores Spore-producing plants are plants that and germinates in moist soil, produce spores for reproduction instead of germinated spores usually give rise to heart shaped Spores are much smaller than seeds. gametophyte the archegonium Almost all flowerless plants produce spores. and antheridium are found on Examples include mosses and ferns the lower surface of the gametophyte and the fertilized egg undergoes cell division. A four-cell stage of embryo develops into a separate segment of the enlarging Ferns embryo and each segment will It has roots, leaves, form a definite part of the and stem It has split leaves young sporophyte or a fern called fronts plant. Young ferns grow from an underground stem Spore procuding from underside of the leaves Grow in shady places Do not produce seeds

	Mosses No true roots No conducting tubes They grow closes to the ground to take in water and nutrients through their cell wall of rhizoids Mostly found growing in a damp log or along streams Present of leaves and stem Plants usually present in tufts Average height 1-5cms Produces spores Do not produce seeds				
I. (Evaluating Learning)	Fill up the squares in the cross-word puzzle with the correct letters to give the correct answer of the different questions. Across: 1. Mature fern leaf 2. Rows of brown spots underside the fern fronds 3. Seedless plants 4. Spore-bearing plants do not produce 5. Down: 1. Sporophyte stage of a fertilized egg 2. Ferns reproduce through a?	Direction: Choose the letter of the correct answer. Use the concept map to answer number 1 question 1. Which term correctly completes the concept map above? a. Flowering b. Vascular c. Nonvascular d. Seed-producing 2. Which is not a part of a fern sporophyte? a. Frond b. Rhizomes c. Rhizoid d. Surus 3. What do we call the young ferns stem? a. Fiddleheads b. Prothallus c. Sporangium d. Sori	rts	1.Explain what is asexual propagation 2. List down 5 samples of plants that can be grown from asexual propagation.	 Identify the different characteristic of cone-bearing plants Name 5 samples of cone-bearing plants

	S E E D S				
J. (Additional activities for application or remediation)	Research about the life cycle of spore-bearing plants	Draw life cycle of the moss and write simple explanation about how they reproduce.	Bring he following 1.Malunggay cutting 2. sweet potato 3.onion bulb 4. Toothpick or barbeque stick 5.2 glass jar 6. pot with soil	What are cone-bearing plants?	Make / create an interactive board game. It can be a jigsaw puzzle, word search, snake and ladder, and others, use the concepts you learned in the classifications of plants and animals.
V. (Remarks)					
VI. (Reflection)					
A.(No. of learners who earned				•	
80% in the evaluation)					
B.(No. of learners who requires					
additional acts for remediation					
who scored below 80%)					
C.(Did the remedial instruction					
really work? No of learners who					
caught up with the lesson)					
D.(No. of learners who continue					
to require remediation)					
E. (Which of the strategies work					
well? Why did this work?					
F. (What difficulties did I					
encounter which my principal/					
supervisor can help me solve?)					
G. (What innovations or localized					
materials did I used/ discover					
which I wish to share with other					
teacher?)					