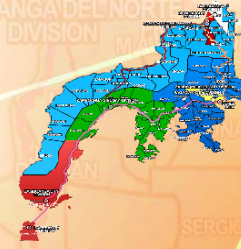




Republic of the Philippines
 Department of Education
 Regional Office IX, Zamboanga Peninsula



3

Science

Quarter 4 - Module 7

Objects Seen in the Sky



Name of Learner: _____

Grade & Section: _____

Name of School: _____

- JANUARY
Makugihon
- FEBRUARY
Mahigugmaon
- MARCH
Matinabangon
- APRIL
Matinahuron
- MAY
Mahapsay og Malimpyo
- JUNE
Maabtik og Musunod sa Ihsaklong Oras
- JULY
Maantigo og Maabilidad
- AUGUST
Maginhuhuhunaon para sa Uban
- SEPTEMBER
Madaginoton
- OCTOBER
Matinud-anon
- NOVEMBER
Masaligan
- DECEMBER
Maalampunon



What I Need to Know

Describe the natural objects that are found in the sky during daytime and night time **(S3ES-IVg-h-6)**

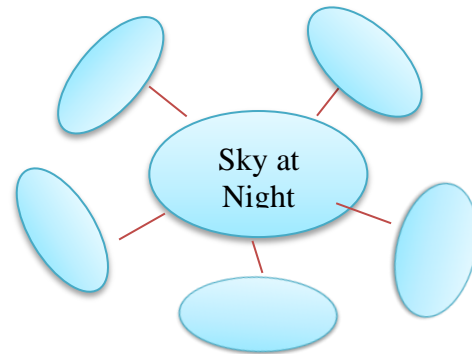
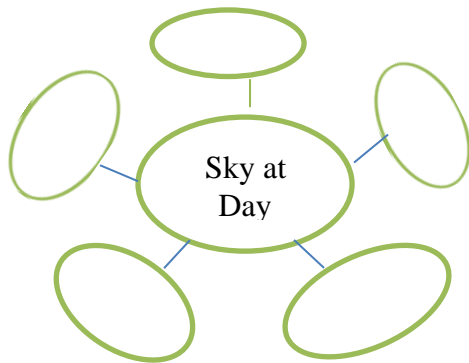


What's In

10

Activity 1: Objects Seen in the Sky

Directions: Fill in the first graphic organizer with objects seen in the sky at day time and on the second graphic organizer fill in objects seen in the sky at night time.

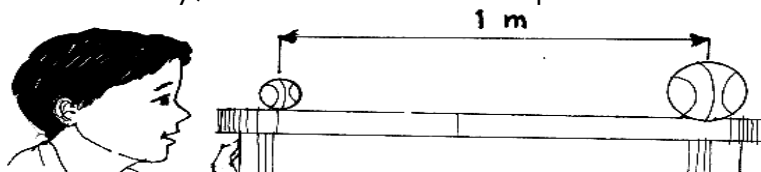


After the graphic organizer is completed, answer the following questions;

- What are the objects seen in the sky at night? during the day?
- Are they the same objects?
- Why do these objects seen at night not seen during the day?

Activity 2: Sizes of Objects Seen in the Sky

Perform the activity, then answer the questions below.



5

Set-up A

1. Get 2 big balls. Place them 4 meters apart on table.
2. Position yourself in front of the 1st ball, then look at the two balls at eye level. Observe their sizes.

Set-up B

1. Reverse the set –up in A
2. Place the big ball 1 meter away from you. Place the small ball 4 meters away from the big ball.
3. Position yourself in front of the big ball and look at the balls at eye level.

Set-up C

1. Reverse the set –up in B.
2. Place the big ball 1 meter away from you. Place the small ball 4 meters away from the big ball.
3. Position yourself in front of the big ball and look at the balls at eye level.

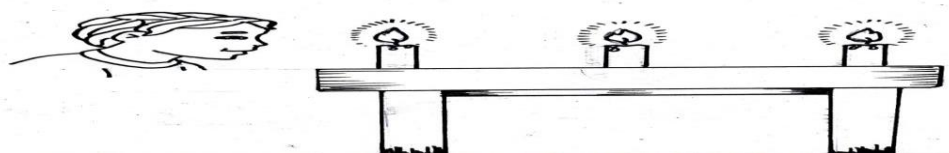
Questions

- a. In set-up A, which ball looked bigger as you saw it? _____
- b. Describe what you saw in set-up B. Which of the 2 balls appeared bigger? _____ or smaller? _____
- c. How did the big ball appear in set-up C? _____
the small ball? _____

Activity 3: Brightness and Dimness of Objects Seen in the Sky at Night Time

Procedure:

1. Place three candles 3 meters away from each on a long table
2. Stand about a foot away from the first candle and observe the brightness of the three candles at an eye level.
3. Record your observations in your notebook.
4. Answer the questions below.



- a. Which candle looked brighter and bigger? _____ Why? _____
- b. Which candle looks smaller and dimmer? _____ Why? _____
- c. How would you relate the distance between the 3 candles to their brightness or dimness?

Activity 4: Position of the Sun at Different Times of the Day

Make observations of the position of the sun at different times of the day. Answer the following questions below.



Procedure:

1. Use the figure above as a guide to make the set up.
2. Focus the flashlight at different positions. The flashlight is the sun and the object at the center is anything on Earth.
3. Point the flashlight to the object at the center. Observe.
4. Record your observations.

Questions

- a. In the morning, what is the position of the sun? _____
- b. At noontime, where is the sun? _____
- c. In the afternoon, where can you find the sun? _____

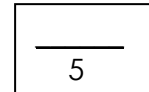
We can see the sun during the day and the moon at night. Aside from the sun and the moon, stars and other heavenly bodies can be seen in the sky. The sun is a big ball of hot gases. It is the nearest star to Earth.

- Stars, along with the brighter planets, can be seen with the unaided human eye in a daytime sky that is, when the sun is above the horizon normally only during a total solar eclipse.
- The stars are not all at the same distance from us. Some stars are closer and some are farther away. The closer a star is to us, the brighter it will appear. Also, stars come in a variety of sizes and brightness. Larger stars usually shine more brightly than smaller stars do. So, how bright a star appears in the night sky depends on its size and how far away from us it is.
- The Sun appears to rise above the horizon and circle the Earth, but it is actually the Earth that is rotating, with the Sun remaining fixed.

- During daytime, the sun can be seen across the sky in different places or location. In the morning, it rises in the east, at noon it is overhead and, in the afternoon, the sun sets in the west. After a few hours, the moon and the stars replace the sun in the sky. Cloud is the large masses of evaporated water seen in the sky.



What is It



Activity 5. Directions: Connect the picture in Column A with its correct description in Column B.

Column A

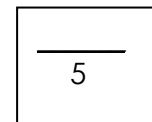
Column B.

- 1.
- 2.
- 3.
- 4.
- 5.

- A. played during day time
- B. a big ball of hot gases
- C. the brightest and largest object in our night sky.
- D. large masses of evaporated water seen in the sky.
- E. seen in the nighttime



What's More



Activity 5: "FIND ME "

Directions: Look for the given words in the puzzle. Encircle each word that you will find.



d	e	i	l	m	m	m	y	g	o
a	c	e	f	g	b	o	e	k	s
y	c	s	t	a	r	o	t	l	a
t	b	n	m	o	k	n	d	p	e
i	u	v	q	w	l	y	s	u	n
m	d	n	x	v	m	h	g	k	y
e	n	i	g	h	t	t	i	m	e

Activity 6: “Where Do I Belong “

Directions: Write 3 objects in each column.

What objects can you see in the day sky ?	What objects can you see in both the day and night sky ?	What objects can you see in the night sky?



What I Have Learned

Activity 7: “Fill Me Up “

What objects can we observe in the sky?

I can observe many objects in the sky.
 During the day I can see the _____ in the sky.
 At night I can see the _____ and _____
 in the sky.
 These are the _____ I observe in the sky.



What I Can Do

Directions: Choose four (4) things easier to see in the sky. Draw it in the box.

Things Easier to See in the sky during Day time	Things Easier to See in the sky during Nighttime



Assessment

5

Set A

Directions: Read the statement carefully. Encircle the letter correct answer.

- During the day we see _____ in the sky.

A. sun	C. planets
B. moon	D. astronauts

References

Books:

Arthur DC. Sacatropes, Luz E. Osmeña, Michelle H. Guadamor, Aisa C. Corpuz, Jennifer M. Rojo, Jennifer A. Tejada, Job S. Zape Jr., Leni S. Solutan, John Fitzgerald Secondes, Neolita S. Sarabia. 2017. Science 3 (Learner's Manual). Pasig City: Kagawaran ng Edukasyon.

Arthur DC. Sacatropes, Luz E. Osmeña, Michelle H. Guadamor, Aisa C. Corpuz, Jennifer M. Rojo, Jennifer A. Tinaja, Job S. Zape Jr., Leni Solutan, John Fitzgerald Secondes, Neolita S. Sarabia. 2015. Science 3(Teacher's Guide). Pasig City: Department of Education.

Internet:

[http://earthsky.org/space/stellar-luminosity-the-true-brightness-of-](http://earthsky.org/space/stellar-luminosity-the-true-brightness-of)

<http://clipart-library.com/moon-clip-art.html>

<https://www.teacherspayteachers.com/Product/Objects-in-the-Sky-Sort-4973459?st=6357a453a7bd21fdc1e4d544ef636e92>

<https://www.quora.com/Why-does-the-Sun-appear-bigger-during-sunrise-and-sunset-than-at-noon>

DEVELOPMENT TEAM	REGION IX HYMN	THE FOOTPRINTS PRAYER
<p>Writer: Yolanda R. Chatto Master Teacher II / Tomas Sagun E/S</p> <p>Editor: Eva M. Dumas-og Teacher III / Camp Abelon E/S</p> <p>Reviewer: Mila P. Arao</p> <p>Illustrator:</p> <p>Management Team:</p> <p>DANNY B. CORDOVA, Ed.D, CESO VI Schools Division Superintendent</p> <p>MARIA COLLEEN L. EMORICHA, Ed.D. CESE Assistant Schools Division Superintendent</p> <p>MARIA DIOSA Z. PERALTA CID Chief</p> <p>MA. MADELENE P. MITUDA, Ed.D Education Program Supervisor LRMDS</p> <p>MILA P. ARAO Education Program Supervisor - Science</p>	<p>Here the trees and flowers bloom</p> <p>Here the breezes gently blow Here the birds sing merrily, The liberty forever stays,</p> <p>Here the Badjaos roam the seas Here the Samals live in peace Here the Tausogs thrive so free With the Yakans in unity</p> <p>Gallant men and Ladies fair Linger with love and care Golden beams of sunrise and sunset Are visions you'll never forget</p> <p>Oh! That's Region IX Hardworking people Abound, Every valleys and Dale</p> <p>Zamboangueños, Tagalogs, Bicolanos, Cebuanos, Ilocanos, Subanons, Boholanos, Ilongos,</p> <p>All of them are proud and true Region IX our Eden Land...</p> <p>Region IX our Eden Land...</p>	<p>One night I had a dream. I dreamed that I was walking along the beach with the LORD.</p> <p>In the beach, there were two (2) sets of footprints – one belong to me and the other to the LORD.</p> <p>Then, later, after a long walk, I noticed only one set of footprints.</p> <p>“And I ask the LORD. Why? Why? Why did you leave me when I am sad and helpless?”</p> <p>And the LORD replied “My son, My son, I have never left you. There was only one (1) set of footprints in the sand, because it was then that I CARRIED YOU!</p>