



DEPARTMENT OF EDUCATION
SCHOOLS DIVISION OF NEGROS ORIENTAL
REGION VII

Kagawasan Ave., Daro, Dumaguete City, Negros Oriental



Trends, Networks, and Critical Thinking in the 21st Century

Quarter 3- Module 5: GLOBAL NETWORKS: FOSTERING BUSINESS AND INDUSTRY



GOVERNMENT PROPERTY
NOT FOR SALE

Trends, Networks, and Critical Thinking in the 21st Century
Alternative Delivery Mode
Quarter 3 – Module 5: GLOBAL NETWORKS: FOSTERING BUSINESS AND INDUSTRY
Second Edition, 2021

Republic Act 8293, section 176 states that: No copyright shall subsist in any work of the Government of the Philippines. However, prior approval of the government agency or office wherein the work is created shall be necessary for exploitation of such work for profit. Such agency or office may, among other things, impose as a condition the payment of royalties.

Borrowed materials (i.e., songs, stories, poems, pictures, photos, brand names, trademarks, etc.) included in this module are owned by their respective copyright holders. Every effort has been exerted to locate and seek permission to use these materials from their respective copyright owners. The publisher and authors do not represent nor claim ownership over them.

Published by the Department of Education
Secretary: Leonor Magtolis - Briones
Undersecretary: Diosdado M. San Antonio

Development Team of the Module

Writer:	Paul O. Pascobello
Editor:	Bryan Miko M. Cadiz
Reviewer:	Divina May S. Medez, Catherine A. Credo
Illustrator:	
Layout Artist:	Jessie V. Alcala, Enrey P. Alam-alam
Management Team:	Senen Priscillo P. Paulin, CESO V
	Rosela R. Abiera
	Joelyza M. Arcilla EdD
	Marcelo K. Palispis EdD
	Maricel S. Rasid
	Nilita L. Ragay EdD
	Elmar L. Cabrera
	Carmelita A. Alcala EdD

Printed in the Philippines by _____

Department of Education –Region VII Schools Division of Negros Oriental

Office Address: Kagawasan, Ave., Daro,
Dumaguete City, Negros Oriental Tele #: (035) 225
2376 / 541 1117
E-mail Address: negros.oriental@deped.gov.ph

Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. And read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.



What I Need to Know

Why is there a need to study **Trends, Networks, and Critical Thinking in the 21st Century**? Perhaps, you, along with other Senior High School learners, ask this question upon learning the K to 12 SHS Curriculum.

The course provides opportunities for students to discover patterns and extract meanings from emerging trends. It aids in developing their critical and creative thinking skills-- essential tools for decision making and understanding “ethics of care”. Global trends in the 21st century is examined and are either accepted or rejected on a sound set of criteria.

Students will be asked to create and analyze scenarios that will challenge them to (1) formulate their stances on issues or concerns; (2) propose interventions and (3) formulate alternative futures. The students will realize the interconnections between their neural connections and social realities.



What I Know

Directions: TRUE OR FALSE: Write **TRUE** if the statement is true and **FALSE** if it's erroneous. Have this in your activity notebook.

1. In 1931, Isaac Newton’s book *Cosmic Religion and Other Opinions and Aphorisms* was published.
2. The headquarters of Samsung Electronics, Toyota Motors, and Apple Inc. including its subsidiaries, affiliates, partners, and regional offices work separately.
3. Creative Imagination involves the formation or creation of mental images.
4. Imagination works well alone when it comes to wanting to bring something to life.
5. Almost everything that you use, consume, or enjoy is a product of creative imagination. Intuition is no longer necessary.



What's In

Previously, you learned about the underlying concepts involved in the study of Global Networks particularly the concrete effects of globalization and the need for collaboration and cooperation to achieve interconnectedness of people and nations.

Now, you will learn more about the different contributions of the parts to a whole and the important role of creative imagination in putting together the various parts of a whole and the origin of the different components of a gadget, business enterprise, industrial/technological/agricultural product, etc.

Directions: Read and understand each question. Write the answer in your notebook.

1. Unscramble the group of letters to come up with the correct answer.

IIIAOMANGTN = _____

CRVETAIE = _____

PTARS OT A WLOHE = _____

OIRGIN = _____

TGCNOHELOY = _____

2. Name at least five (5) gadgets that are considered as products of globalization?

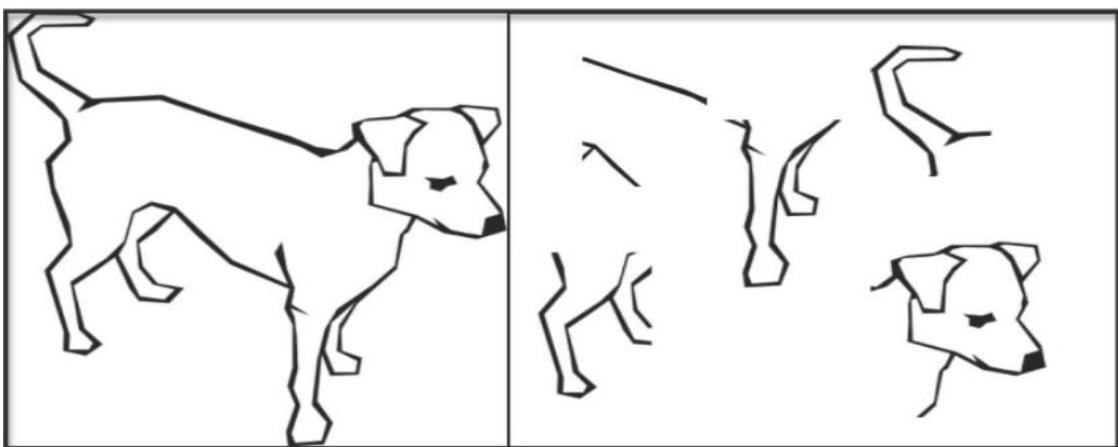


What's New

Directions: Read and understand the tasks below. Write the answer in your notebook.

Task 1: Picture Analysis

How do the parts contribute to the whole?



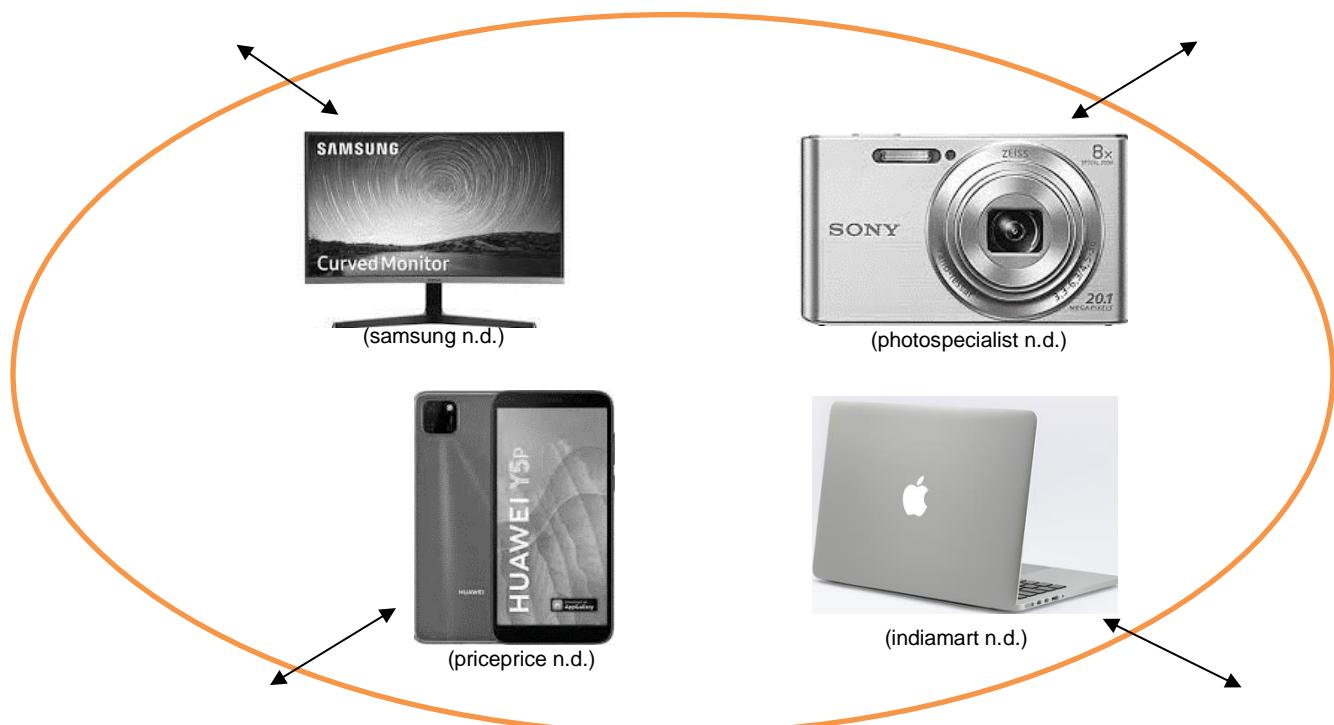
(Art n.d.)

Task 2: Creating Organizational Chart

Create an organizational chart that visually conveys a company's internal structure using the different positions stipulated in the box.

President and CEO	Financial Manager	Human Resource Manager
Executive Vice President	Technical Manager	Assistant Technical Manager
Assistant Financial Manager	Human Resource Staff	Technical Staff
Finance Staff	Assistant HR Manager	

From what country are these products/gadgets made and manufactured?





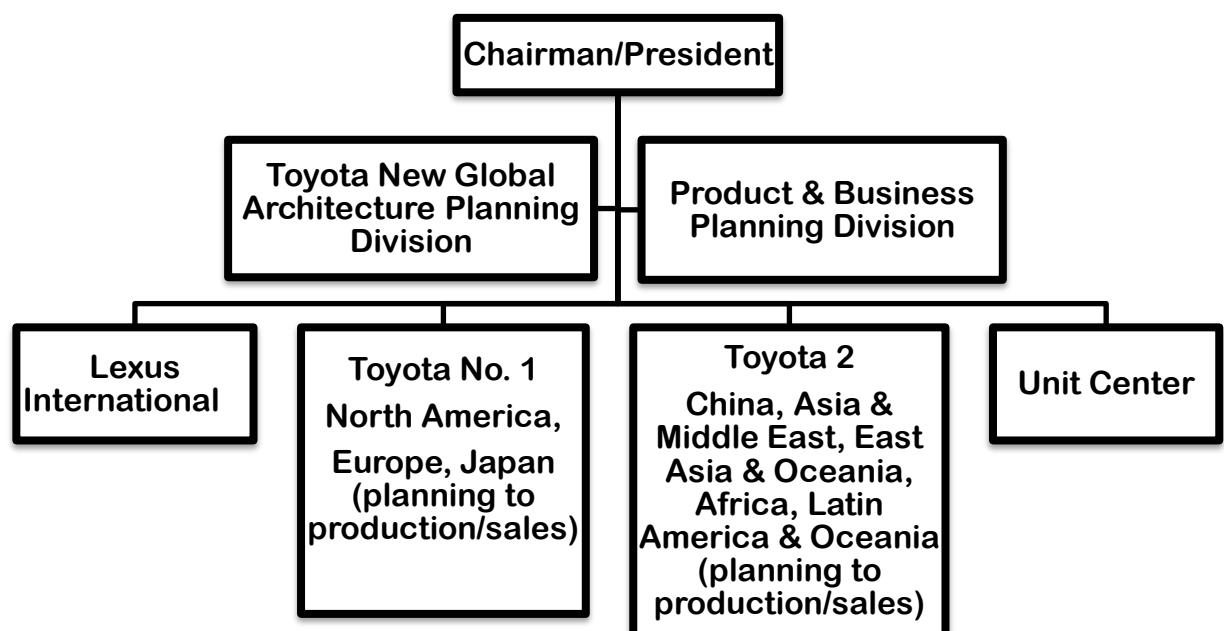
What is It

Contributions of the Various Parts to a Whole

The headquarters of Samsung Electronics, Toyota Motors, and Apple Inc. including its subsidiaries, affiliates, partners, and regional offices are all parts of a whole. These multinational corporations have facilities and other assets in other countries that are part of the entire operation and continuous existence of each multinational corporation. It maintains a central office located in one country, which coordinates the management of all its offices, such as administrative branches or factories. They must function in accordance with the set of conditions, rules, and standards of the company. The functions and responsibilities of these sub offices are prescribed by the head office. Thus, they are made aware of their responsibility for the success of the whole operation of the company.

All divisions and functionaries of the subsidiary company are all parts which comprise the main company as a whole. They include the administration, personnel and staff, the accounting and cashier, the security, and the auxiliary are interdependent such that the failure or poor performance of one affects the other and has negative impact in the operations of the whole company. Flaws in the organizational structure that cause breakdowns in communication or lapses in responsibility need to be repaired to facilitate efficiency and productivity.

Another aspect showing the relations of the various components to the whole is the chain process. The different stages to be undertaken in relation to the creation of the entire value chain process must be coherent, supportive, and consistent with one another. Hence, each one is important for the whole process to be carried out successfully.



Organizational structure of Toyota Motor Corporation as of 2015

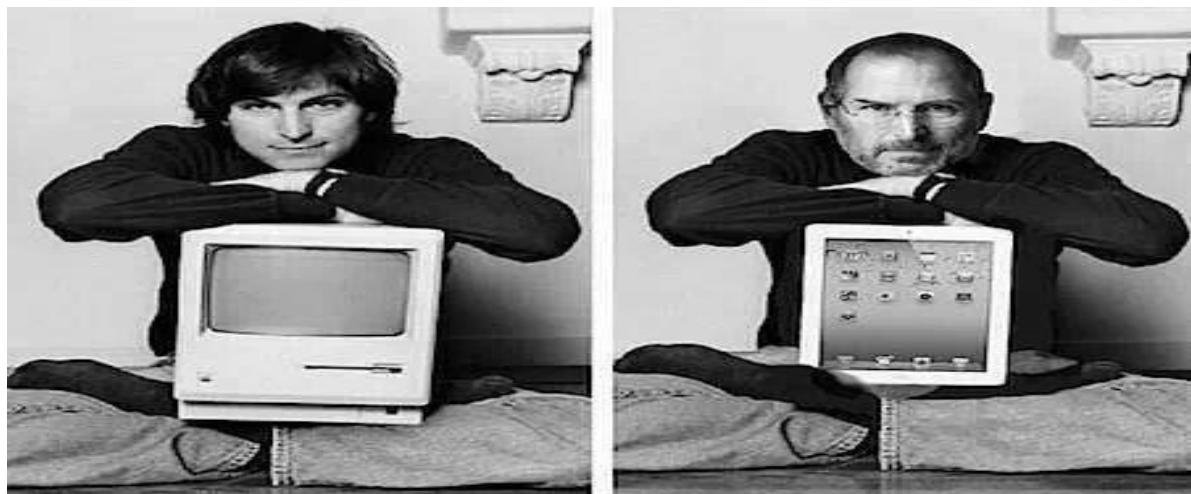
An organization's short, medium, or long-term plans also constitute a whole with its various time frames and percentages of accomplishments as parts. Each period covered with corresponding percentage of accomplished target should lead to the attainment of the whole plan.

Creative Imagination

Imagination does not work alone when it comes to wanting to bring something to life and allowing it to step out of your mind. Creativity kicks in when an individual wants to make something out of their imagination. Creativity can be shown in millions of ways depending on the individual's personality and abilities.

Creative Imagination involves the formation or creation of mental images. It is the ability of the mind to transcend its limits, explore the unseen, and tread the path it would normally take. Thus, when you translate your imagination into reality, you are a creator of reality.

In 1931, Albert Einstein's book *Cosmic Religion and Other Opinions and Aphorisms* was published. There, he stated his belief on intuition as: "I believe in intuition and inspiration. At times I feel certain I am right while not knowing the reason. When the eclipse of 1919 confirmed my intuition, I was not in the least surprised. In fact, I would have been astonished had it turned out otherwise. Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution. It is, strictly speaking, a real factor in scientific research." Albert Einstein regarding intuition or imagination as more important than knowledge, and it is important even in his scientific work.



(Teklamaisuraze 2019)

Steve Jobs, co-founder of Apple Inc. with his iconic pose showing the products he made with his use of creative imagination to advance consumer electronics, computers, software, and computer animation.

Creative imagination plays a vital role in putting together the various parts of a whole. It is through the imagination that an image is created, and its parts identified. Pie chart, bar graph, graphics, and other illustrations can be applied to make the presentation of the product attractive. The components of gadgets such as smart phones and laptops, the divisions of a business enterprise like fast-food chain, and the segments of an industrial product such as a tractor, all constitute parts that make up

a whole.

The design of the gadget, the organizational structure of a business enterprise, and the capacity and strength of the industrial product all emanated from the creative imagination of a person or group of individuals. Almost everything that you use, consume, or enjoy is a product of creative imagination guided by intuition.

The use of creative imagination is not only limited to the creation of goods and services. It can also help you solve problems and help you come up with new ideas and explore possibilities.



What's More

General Directions: Read and understand the questions. Write the answers in your notebook.

1. Is the efficiency of a company affected when the various parts of the whole operation are located in distant places? Support your answer.

2. What have you observed in the puzzle? Is creative imagination necessary in putting together the various parts of a whole? Why?



(123rf 123rf)



What I Have Learned

Directions: Make a journal to manifest your understanding about the topic. You can start by following the format below. Write it in your notebook.

I have learned that _____.

I have realized that _____.

I will apply _____.

General Directions: Do the following tasks. Write the answer in your notebook.

1. If you were given unlimited money to start your dream business, what would it be and how will you structure your company?

2. Read the quotation below and answer the questions that follow.

"Imagination is more important than knowledge. Knowledge is limited. Imagination encircles the world." —Albert Einstein

Process Questions:

1. What was the quote all about?

2. How creative imagination plays a vital role in your everyday life as a student?



Assessment

Directions: TRUE OR FALSE: Write **TRUE** if the statement is true and **FALSE** if it's **erroneous**. Have this in your activity notebook.

1. In 1931, Isaac Newton's book *Cosmic Religion and Other Opinions and Aphorisms* was published.
2. The headquarters of Samsung Electronics, Toyota Motors, and Apple Inc. including its subsidiaries, affiliates, partners, and regional offices work separately.
3. Creative Imagination involves the formation or creation of mental images.
4. Imagination works well alone when it comes to wanting to bring something to life.
5. Almost everything that you use, consume, or enjoy is a product of creative imagination. Intuition is no longer necessary.

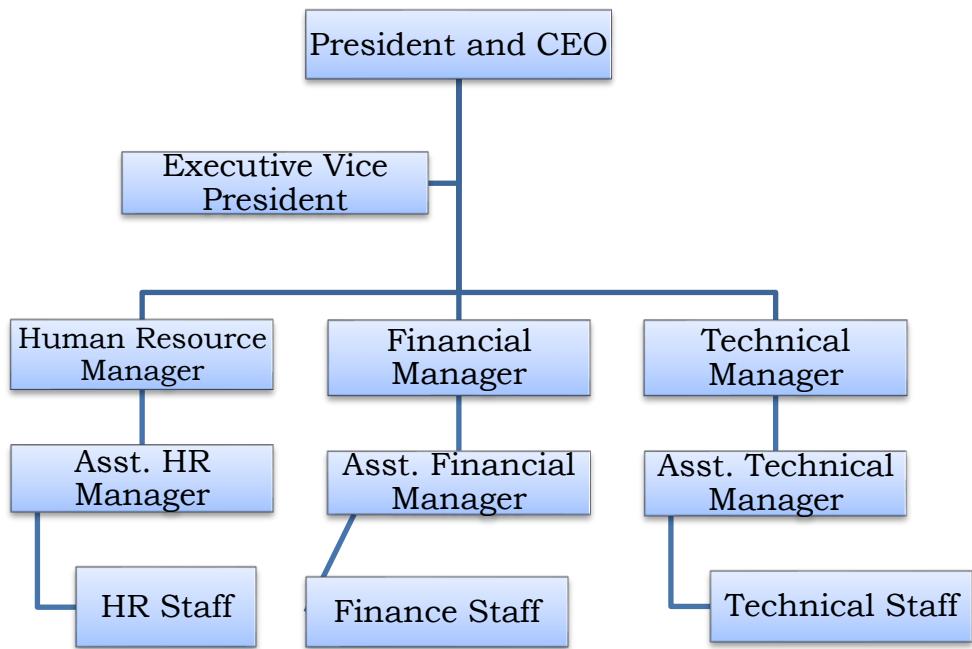


Answer Key

Task 1: Answer may vary

Task 2: Creating Organizational Chart

Create a chart that visually conveys a company's internal structure.



Task 3: Label the Pictures

Where do you think these products are made and manufactured?

The diagram shows four electronic products arranged in a circle: a Samsung Curved Monitor, a Sony digital camera, a Huawei smartphone, and an Apple laptop. Arrows point from each product to one of four boxes labeled South Korea, Japan, China, or U.S.A., suggesting where each product might be manufactured.

WHAT I KNOW / SUMMARY

TECHNOLOGY
ORIGIN
PARTS TO A WHOLE
CREATIVE
IMAGINATION

TEST

1. FALSE
2. FALSE
3. TRUE
4. FALSE
5. FALSE

NEGOR_Q3_TNCT/HUMSS11_MODULE5_V2

References

BOOK:

Elizabeth T. Urgel (2017). Trends, Networks, and Critical Thinking in the 21st Century Culture. Published by DIWA Learning Systems Inc. pp.84-89. ISBN 978-971-46-1095-8.

TEACHER'S GUIDE:

Most Essential Learning Competencies

WEB SOURCE:

<https://www.investopedia.com/terms/m/multinationalcorporation.asp>

<https://corporatefinanceinstitute.com/resources/knowledge/strategy/multinational-corporation/>

<https://www.basicknowledge101.com/subjects/creativity.html>

<https://thelimitlessnessmindsoftheworld.wordpress.com/creativity/>

<https://www.pinterest.de/pin/305400418461995093/?autologin=true>

https://www.123rf.com/photo_12354019_middle-east-crisis-as-a-broken-jigsaw-puzzle-with-missing-pieces-showing-the-turmoil-and-political-s.html

PICTURE:

123rf. 123rf. Accessed December 16, 2021.

<https://previews.123rf.com/images/lightwise/lightwise1202/lightwise120200013/12354019-middle-east-crisis-as-a-broken-jigsaw-puzzle-with-missing-pieces-showing-the-turmoil-and-political-s.jpg>.

Art, Public Domain Clip. n.d. *wikipedia*. Accessed December 16, 2021.

<http://www.pdclipart.org/displayimage.php?album=search&cat=0&pos=60>.

indiamart. n.d. *indiamart*. Accessed December 16, 2021.

<https://www.indiamart.com/proddetail/mac-air-apple-laptop-18921568055.html>.

photospecialist. n.d. *photospecialist*. Accessed December 16, 2021.

<https://www.photospecialist.com/sony-cyber-shot-dsc-w830-zilver>.

priceprice. n.d. *priceprice*. Accessed December 16, 2021.

<https://ph.priceprice.com/HUAWEI-Y5p-30764/>.

samsung. n.d. *samsung*. Accessed December 16, 2021.

<https://www.samsung.com/au/monitors/curved/fhd-curved-monitor-with-bezel-less-design-27-inch-lc27r500fhexxy/>.

Teklamaisuraze. 2019. *intermedia*. February 18. Accessed December 16, 2021.

https://server5.intermedia.ge/article_images/small/201902/2019021822532382646.png.

For inquiries or feedback, please write or call:

Department of Education – Schools Division of Negros
Oriental
Kagawasan, Avenue, Daro, Dumaguete City, Negros Oriental

Tel #: (035) 225 2376 / 541 1117
Email Address: negros.oriental@deped.gov.ph
Website: lrmds.depednolis.net

