

ICT ENHANCED LESSON EXEMPLAR

To define the lesson plan template that illustrates the utilization of computer applications, Internet services and digital content to realize the prescribed outcome of the lesson topic.

Name of the School: STA. MARIA CENTRAL SCHOOL
Location of the School: Sta. Maria, Zamboanga City

Principal: Dr. Fely C. Ascabano
 ESP III

Lesson Plan Writer: Mrs. Roselyn C. Toledo
 Teacher I

Name of the Subject: Science & Health - ICT Integration
Grade Level: Grade IV

Lesson Topic: Life Cycle of a Butterfly
Duration: 1 hour

I. OBJECTIVES: At the end of the lesson, the pupils are expected to:

1. Identify the stages in the life cycle of the butterfly
2. Describe the changes in the butterfly as they develop and grow
3. Familiarize themselves in the use of computer mouse actions

II. CONTENT & MATERIALS

Materials	Print-Based	Computer-Based	Internet-Based
Textbooks, Illustration board, scissors, crayons, string, cartolina, pictures of butterfly	Science Textbook Grade IV	Powerpoint Presentation MS Word Processing Photo story telling	http://video.search.yahoo.com/video/play?p=life+cycle+of+the+butterfly&ei=UTF-8&fr=yfp-t-501&tnr=21&vid=000150664533 http://www.teachertube.com/view_video.php?viewkey=3dfbbd36d13b64aa3079 http://www.enchantedlearning.com/subjects/butterflies/activities/ http://www.enchantedlearning.com/subjects/butterflies/activities/radiobuttonquiz/Bflyquiz1.shtml

III. PROCEDURES:

- **PRIMING ACTIVITY**

a.) Review: Teacher will review the past lesson about the life cycle of a frog. Tell pupils to turn on their computers. Find the folder labeled review then press CTRL key + left click your mouse button to follow the link. What do you see on your screen? Does it show the correct order of the life cycle of a frog? Drag and rearrange the development stages of a frog in the correct order”.

<http://www.vtaide.com/png/assess.htm#LifeCycles> (URL of digital content)

b.) Motivation:

Today we’re going to learn the life cycle of an insect. This insect is beautiful, its wings has vibrant colors that allow it to fly all over the flowers in the garden... guess what is it? (Butterfly)

Before we proceed with our lesson, let’s learn one butterfly song entitled “If I Were a Butterfly”

<http://www.butterflysong.com/index.cfm/PageID/605/index.html> (URL of digital content)
<http://www.dltk-bible.com/butterflysong/index.htm>

- **ACTIVITY PROPER**

- a. **Presentation/Activity**

Like frogs and other insects, butterflies undergo changes. Before they form colorful wings, before they look like their parent animal and before it become a gorgeous showy butterfly, they undergo changes in form and structure.

Class, for our activity just imagine I'm taking you to our school garden...are we ready to go?

- Activity 1**

Group pupils. Each group will make an observation based on the multimedia presentation/video on the life stages of a butterfly.

(There is a back-up of on line resources in case no connection,)

(URL of digital content)

http://www.teachertube.com/view_video.php?viewkey=3dfbbd36d13b64aa3079

<http://mason.gmu.edu/~jporter7/cycle.swf>

<http://butterflywebsite.com/faq.cfm>

- **POST ACTIVITY**

- a. **Reporting**

- b. **Discussion**

- How many stages does a butterfly undergo during its metamorphosis?
 - What stage is destructive and harmful?
 - Why is it destructive during this stage?
 - What is the other name of the larva?
 - Why do you think does the caterpillar undergo an extreme makeover or begins to appear or look like a leaf?
 - How do caterpillars turn into a pupa?
 - What do you call the protective covering around the pupa?

- c. **Generalization:**

What are the stages of the life cycle of a butterfly? (URL of digital content or computer based application) Pupils name the different stages and key in

(View PowerPoint / Photo Story)

<http://www.enchantedlearning.com/subjects/butterflies/lifecycle/>

- **APPLICATION**

- a. **Group Activity**

Group working with different activities from the internet source.

Afterwards each group display their output and say something about it.

- Group I – BUTTERFLY LIFE CYCLE SEQUENCING CARDS**

Task: Cut out the four scenes and arrange them so they show the life cycle. Be able to name each stage. (URL of digital content)

<http://www.enchantedlearning.com/subjects/butterflies/activities/>

- Group II – BUTTERFLY LIFE CYCLE ACTIVITY**

Task: Drag to rearrange the development stages of a butterfly in the correct order and name the stages. (URL of digital content)

<http://www.vtaide.com/png/assess.htm#LifeCycles>

Group III – BUTTERFLY LIFE CYCLE MOBILE

Make a butterfly life cycle mobile made from the materials given showing the correct sequence of the stages. (URL of digital content)

<http://www.enchantedlearning.com/subjects/butterflies/lifecycle/>

Group IV – SYMMETRICAL BUTTERFLY LIFE CYCLE PICTURES

Finish each of the four drawings around the line of symmetry. The butterfly life cycle pictures are egg, larva or caterpillar, pupa and adult. (URL of digital content)

<http://www.enchantedlearning.com/finishdrawings/symmetry/butterfly/>

b. Displaying of output

c. Valuing

Are butterflies harmful or useful? Why are they useful? What should we do with them? Remember, a butterfly cannot protect itself; we must do it, if we do not want them to disappear forever.

IV. Evaluation

Directions: Read each question carefully. Then write the letter of the correct answer on your answer sheet.

1. What is the larva of a butterfly called?
 - a. cocoon
 - b. wriggler
 - c. caterpillar
 - d. nymps
2. How do butterflies reproduce?
 - a. by giving birth to babies
 - b. by laying eggs
 - c. all of these
3. Which of these stages wherein the butterfly is still inactive?
 - a. egg
 - b. larva
 - c. pupa
 - d. adult
4. Why do butterfly lays its eggs on a leaf?
 - a. The leaf will be the shelter of the young butterfly.
 - b. The leaf will be the food of the caterpillar.
 - c. The leaf will become a cocoon.
 - d. The leaf will protect the young butterfly.
5. Arrange the life cycle of a butterfly.



1



2



3



4

- a. 3 - 4 - 1 - 2
- b. 2 - 3 - 1 - 4
- c. 1 - 2 - 3 - 4
- d. 3 - 1 - 4 - 3

V. Assignment

Make a short printable shape book about the life cycle of a butterfly, with pages on the egg, caterpillar, pupa (chrysalis), and adult. (Show sample)

(URL of digital conten)

<http://www.enchantedlearning.com/subjects/butterfly/books/butterflylifecycle/>

<http://www.tooter4kids.com/LifeCycle/Stages.htm>

