

The Lifecycle of a butterfly

WebQuest Description: Students will research the different stages of the butterfly life cycle.

Grade Level: K-2

Curriculum: Science

Keywords: Science, lifecycle, egg, butterfly, caterpillar, chrysalis

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WebQuest URL: <http://zunal.com/webquest.php?w=24044>

Introduction

Where do butterflies come from? The butterfly wants to learn more about his life as he was growing up. What are his stages? Can you help the butterfly? You and your group will explore many interesting facts about butterflies by going to different places on the Internet! You will learn the stages in the butterfly life cycle!

Tasks

You will help the butterfly learn about each stage of his life. Your teacher will read many stories about butterflies and caterpillars. After listening to these stories, you and your group will visit some websites to learn more about your stage of the life cycle. You will also watch video clips about the changes in that cycle. Next, your group will create a craft to demonstrate to the class what happens in the butterfly life cycle stages. Finally, your group will present your research and craft to the butterfly and the class.

Process

First, your teacher will ask you what you know about butterflies and caterpillars. Then your teacher will read you some fun books about butterflies and caterpillars before you begin this webquest. Second, your teacher will assign you a group (partner) to work with. Please cooperate and share ideas with each other. (Task 1) Next your group will explore the webquest sites to see pictures and video clips of the life cycle of the butterfly. Egg: The first stage of the butterfly lifecycle is the egg stage. The egg will hatch in a few days to 9 months. http://www.learner.org/jnorth/tm/monarch/jr/Egg_Hatch.html Caterpillar: The second stage of the butterfly lifecycle is the caterpillar stage. This stage lasts from 2 weeks to 1 month. Caterpillars eat leafy plants. <http://www.learner.org/jnorth/tm/monarch/CaterpillarFeast.html> Chrysalis: The third stage of the butterfly lifecycle is the chrysalis stage. The caterpillar will stay inside for a few days or many months. <http://www.learner.org/jnorth/tm/monarch/ChrysalisEcloseClip1.html> Butterfly: The final stage of the butterfly lifecycle is the butterfly stage. A butterfly can live for a few days or 6-12 months. <http://www.learner.org/jnorth/tm/monarch/ChrysalisEcloseClip1.html> (Task 2) Your group will write the information you learn on the recording sheet. Your teacher will give you the recording booklet (see attachments). (Task 3) Your group will create a craft to show your stage of the life cycle. Your teacher will give you directions and materials. egg craft: <http://www.easy-child-crafts.com/spring-kid-crafts.html> Caterpillar craft: <http://www.dltk-kids.com/crafts/insects/mcaterpillar.htm> chrysalis craft: <http://www.hhmi.org/coolscience/butterfly/index.html> butterfly craft: <http://www.dltk-kids.com/crafts/insects/butterfly.html> (Task 4) Discuss with your group what you have learned. (Task 5) Share your knowledge and craft of your life cycle stage with the class. (Task 6) Finally, visit a few fun sites. Videos: <http://www.amnh.org/exhibitions/butterflies/cams.php> virtual tour: <http://www.amnh.org/exhibitions/butterflies/tour.html> games: <http://www.milkweedcafe.com/ClubCathome.htm> <http://www.yesnet.yk.ca/schools/jackhulland/projects/butterflies/>

Evaluation

Category and Score	Beginning 1	Developing 2	Very Good 3	Exemplary 4	Score
Cooperation	Student did not participate and work with partner.	Student did participate but did minimal work.	Student participated and contributed to the final product.	Student participated and actively contributed to the group and the final product.	%25

Category and Score	Beginning 1	Developing 2	Very Good 3	Exemplary 4	Score
Research	Student did not view videos, research their stage of the life cycle, or record information on recording pages.	Student did view video, research their stage of the life cycle, and partially recorded information on recording pages with 3 or more errors.	Student viewed video, researched their stage of the life cycle, and completed recording pages with 1-2 errors	Student viewed videos, researched their stage of the life cycle, and documented information in appropriate areas with no errors.	%25
Craft	Student did not help create the life cycle stage craft.	Student did help create the life cycle stage craft, but participation was limited.	Student helped create the life cycle stage craft, and participation was adequate.	Student was an active participant in the creation of the life cycle stage craft.	%25
Presentation	Student did not participate in the presentation, information was inaccurate.	Student participated minimally in presentation, information was somewhat accurate.	Student participated in presentation, information was accurate.	Student was an active participant in the presentation and the information was accurate.	%25
				Total Score	%100

Conclusion

Congratulations on doing a wonderful job! Your butterfly and classmates have learned so much from you! Your teacher is proud of your cooperation in your group!

Teacher Page

Teachers, In this webquest the students will be researching the four stages of the butterfly lifecycle. First prior knowledge is engaged during stories and dialogue. The students are invited to proceed to the task section. Clear explanations and learning expectations are stated here. The scoring guide is available in the evaluation section. Cooperation is encouraged through group work. The conclusion thanks the students for working hard as a team. They are invited to play some fun butterfly and caterpillar games. ** To help the younger students, the words that will be written into the recording booklet are underlined on the webquest text. ** Try and pair some of the academically lower students with a student that will be able to help them not do it for them. Georgia Performance Standards S2L1 Students will investigate the life cycles of different living organisms. Teacher note: Instruct students not to touch wild plants and animals when they observe them. Always wash hands after handling any plants or animals. Caution students not to eat wild plants they find. a. Determine the sequence of the life cycle of common animals in your area: a mammal such as a cat or dog or classroom pet, a bird such as a chicken, an amphibian such as a frog, and an insect such as a butterfly. b. Relate seasonal changes to observations of how a tree changes throughout a school year. c. Investigate the life cycle of a plant by growing a plant from a seed and by recording changes over a period of time. d. Identify fungi (mushrooms) as living organisms.

References: <http://www.enchantedlearning.com/subjects/butterfly/label/lifecycle/label.shtml> <http://www.jnorth.org/> <http://www.easy-child-crafts.com/spring-kid-crafts.html> <http://www.milkweedcafe.com/ClubCathome.htm>

Standards

Credits

Other