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Butterfly Life Cycle

Science, Technology, Bible, Language Arts, Math

Second Grade

DESCRIPTIONS

This lesson is a spin off from Unit A-Life Science Lesson 4 – What Is A Insect? In the Scott Foreman Science Series (pages A-36 – A-39)
The students will work in groups of three to research and perform an oral or power point presentation on what they have learned about the life cycle of the Monarch Butterfly

FAITH INTEGRATION

Students will read The Bible Story –Vol. I, Chapters 1 – 7. Genesis 1:1, 2 : 7

The teacher will relate the change of the butterfly from a worm into a beautiful creature doing what God intended it to do with the transformation of a sinful individual into a beautiful person doing the will of God.

CURRICULUM BENCHMARKS

Gather information and communicate with others using telecommunications, with support from teachers, family members, or student partner.

MATERIALS/HARDWARE/SOFTWARE

Computers

Kidpix Deluxe 3 (Broderbund Company www.kidpix.com)

Science Textbooks

Encyclopedia

Zoo Book of Insect

Butterfly Larva

Butterfly Garden (Teacher Created Resources)

Art Project – Clothespin Caterpillar

Craft glue

16 Forster No-Roll Clothespins for each student

2-1/2” Forster Craft Disk

15mm Wiggle eyes with pink eyelids (2)

2 -3/8 Green pompoms (2)

Acrylic paint: orange, green, and fuchsia

Medium tip lack permanent marker

Art Project – Butterfly Mosaic Picture

Craft Glue

Outline of the Monarch Butterfly

Bag of Yellow Popcorn

Bag of Black Beans

ACTIVITIES/PROCEDURES

Recall and Retell Sheet

Research Questions

Watch the butterfly grow (Evan-Moore Corp, 1986)

Butterfly Life Cycle Sequence Activity (Creative Teaching Press)

Parts of a Butterfly (Creative Teaching Press)

Migration Map (Creative Teaching Press)

Shape Book (Monarch Magic –Copycat Press, Inc 1989)
Blank Puzzle Shape
Log sheets for growth of butterfly(Teacher Created Resources)
Chrysalis to Butterfly Habitat (Teacher Created Resource
The Magic School Bus – Inside the Beehive)

TEACHER PREPRATION

1. Secure books from the library
2. Display a life cycle bulletin board
3. Order butterfly larva
Insect Lore-P.O. Box 1535
Shafter, CA 93263
1-800-LIVE BUG
www.insectlore.com
4. Set up Butterfly Discovery Center
5. Bring in Nature Magazines and posters
6. Obtain a copy of The Hungry Caterpillar by Eric Carle
7. Give students instructions on Kidpix
8. Allow students time to practice on Kidpix
9. Set time slots for computer use
10. Call Detroit Zoo – secure date for field trip

STUDENT PREPARATION

1. Students must be able to access kidpix Deluxe 3
2. Students must be able to print information to answer research questions.
3. Students must be able to work in groups of threes.
4. Students must be able to save their information into their group's file.

5. Students must be able to present their oral presentation/power point in chapel or parent meeting.
6. Students must display their art project at chapel or parent meeting.

MANAGEMENT PLAN

1. I will divide the class up into groups of three.
2. Teacher and media teacher will develop a time schedule for two media students to work with the groups for 45 minutes, 3 days per week for two weeks.
3. Students will complete all activities with the help of the media students, parent helpers, and the teacher.
4. Students will display their projects by oral presentation or power point.

ETHICS

The teacher will check all materials to make sure that all activities sheets and art projects are copyright friendly and/or given credit to the source.

The teacher will teach the students how to give credit to information they collect off the INTERNET by demonstrating footnotes and a bibliography page.

ASSESSMENT/EVALUATIONS

Teacher and student self-evaluation included.

FOLLOW-UP ACTIVITIES

Field trip to the Detroit Zoo – Butterfly Pavilion

Detroit Zoological Park

I – 696 and Woodward

www.detroitzoo.org

Group Reservations - 248-398-0903 ext- 3300

CATERPILLAR

Designed by Mary Ayers

MATERIALS:

- 16 Forster® No-Roll Clothespins
- 2-1/2" Forster® Craft Disk
- 15 mm Wiggle eyes with painted pink eyelids, 2
- 3/8" Green pom poms, 2
- Acrylic paint: orange, green, fuchsia
- Medium tip black permanent marker

INSTRUCTIONS:

1 PAINT: Paint 15 No-Roll Clothespins and Craft Disk orange. Let dry.

Rough the flat rounded end of each of the orange No-Roll Clothespins and cheeks on Craft Disk head with fuchsia. Paint 3 dots on the flat rounded end of each No-Roll Clothespins and then on each cheek on Craft Disk head with green, using the end of a paintbrush handle. Draw mouth on Craft Disk head with medium tip black permanent marker (Fig. 1).

2 DETAILS: Glue wiggle eyes to head. Glue fuchsia No-Roll Clothespins to center back of Craft Disk head

with slotted ends pointing upward for antennae. Glue pom poms to tips of antennae.

3 ASSEMBLY: Glue sides of orange No-Roll Clothespins together so they are staggered, with slotted ends pointing downward for legs (Glue 2 down from the first clothespins, then 2 up, 2 down, etc.). Glue the assembled Craft Disk head to the top left side of the assembled legs. Let dry.

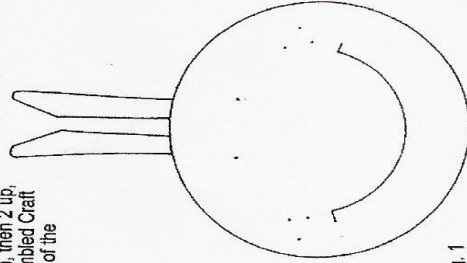
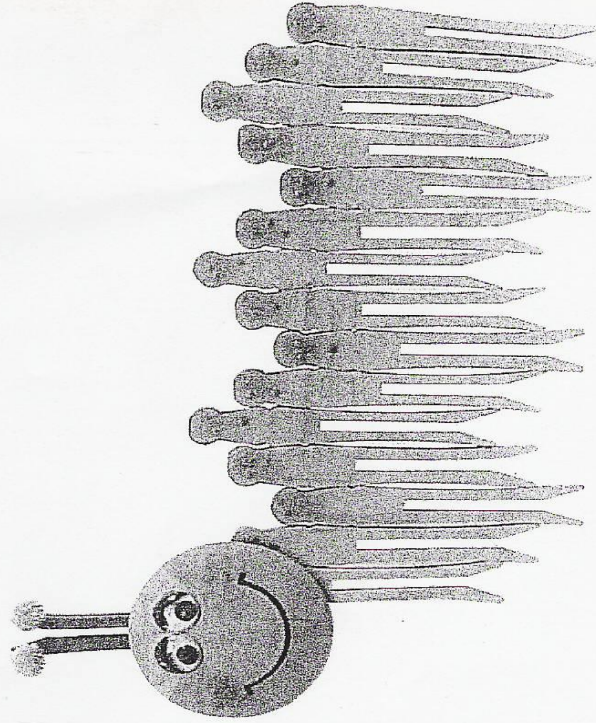


Fig. 1



WARNING: These projects may use small objects. We recommend children only make these projects with adult supervision. Ask an adult to use glue gun and craft strips.

The PAINTED LADY

Student NAME _____

CATEGORY	4 20 points	3 15 points	2 10 points	
Recalling Details	Listen to the story - The Hungry Caterpillar	Participate in a class discussion about the story.	Complete a retell and recall chart	
Research Questions	Using Kidpix and books answer the research questions.	Complete the research worksheet with complete sentences.	Give an oral or power point presentation on the life of the Monarch Butterfly using pictures from the computer or magazines.	
Activity I Life Cycle	Color and cut pictures neatly	Arrange and paste pictures in the correct order.		
Activity II Parts of the Butterfly	Color the pictures exactly as the model of the monarch butterfly.	Cut and paste the parts of the butterfly in the correct boxes.		
Shape Book	Color and cut the pages out neatly.	Arrange the pages in the correct number sequence.	Staple pages to form a booklet for publishing.	

Art Project I Mosaic Picture	Take a bag of yellow popcorn, black beans, and the Art Sheet I to your assigned area.	Glue the colors of the butterfly in the appropriate places.	Publish your picture in the Art Center.	
Art Project II	Form the Hungry Caterpillar using the directions in the Art Center.	Glue the pieces in place to form the larva.	Paint the clothes pins following the directions given or follow the sample.	
Butterfly Puzzle	Select a picture of a Monarch Butterfly from the computer or a magazine.	Glue picture to the back side of the puzzle sheet.	Cut puzzle a part according to the back side of the sheet.	

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