

#10102

WAITING FOR WINGS

WESTON WOODS STUDIOS, 2002

Grade Level: Ps-3

6 mins.

1 Instructional Graphic Enclosed

DESCRIPTION

A musical narration of the metamorphosis of a monarch butterfly. Illustrations reflect the changes from larva to caterpillar to magnificent monarch. Animated version of Lois Ehlert's award-winning book.

ACADEMIC STANDARDS

Subject Area: Science—Life Sciences

- Standard: Understands the structure and function of cells and organisms
 - ◆ Benchmark: Knows that plants and animals progress through life cycles of birth, growth and development, reproduction, and death; the details of these life cycles are different for different organisms (See INSTRUCTIONAL GOALS 1.)
- Standard: Understands biological evolution and the diversity of life
 - ◆ Benchmark: Knows that there are similarities and differences in the appearance and behavior of plants and animals (See INSTRUCTIONAL GOALS 2.)

Subject Area: Language Art—Reading

- Standard: Uses reading skills and strategies to understand and interpret a variety of literary texts
 - ◆ Benchmark: Uses reading skills and strategies to understand a variety of familiar literary passages and texts (e.g., fairy tales, folktales, fiction, nonfiction, legends, fables, myths, poems, nursery rhymes, picture books, predictable books) (See INSTRUCTIONAL GOALS 3 and 4.)

INSTRUCTIONAL GOALS

1. To identify the stages in the life cycle of a butterfly.
2. To identify common North American butterflies and the flowering plants they feed on.
3. To enjoy a visual and musical presentation of a poem.
4. To promote the reading of children's literature.

BACKGROUND INFORMATION

Note that the book *Waiting for Wings* by Lois Ehlert has a five-page science section after the poem. Included are two pages showing paintings of common North American butterflies with their caterpillar, chrysalis, and typical leaf with eggs. Another page labels the parts of a butterfly and provides facts about what butterflies are, their life cycle, and how they eat. A fourth page shows paintings of common flowers that butterflies eat from, and identifies each flower by name. The last page gives tips on how to grow a butterfly garden. This part of the book is not on the videotape.

VOCABULARY

- | | | |
|----------------|------------|-------------|
| 1. butterfly | 6. eggs | 11. nectar |
| 2. case | 7. field | 12. sip |
| 3. caterpillar | 8. flowers | 13. tongue |
| 4. chew | 9. fly | 14. waiting |
| 5. eat | 10. hatch | 15. wings |

BEFORE SHOWING

1. Share the title of the video. Guess what the title refers to. Discuss what animals could be "waiting for wings."
2. Read the book *Waiting for Wings* by Lois Ehlert. Explain key vocabulary from the poem. Discuss the information presented after the poem and watch for details in the video.

AFTER SHOWING

Discussion Items and Questions

1. Where do the butterflies hide their eggs?
2. What hatches from the eggs? What do the caterpillars do when they first hatch?
3. Describe what the caterpillars do to change into butterflies.
4. What do the butterflies eat? How do they find the flowers? How do they get nectar from flowers?
5. What do the butterflies do at the end?
6. Explain why this is a good example of a life cycle.

Applications and Activities

1. Review the stages in the life cycle of butterflies. (See INSTRUCTIONAL GRAPHIC.)
2. Watch the video again, pausing to notice and identify the different types of caterpillars and butterflies. Refer to the last section of the book or other butterfly field guides.
3. Locate scientific information about the life cycles of butterflies and other insects. Use the correct terms to describe how the eggs turn into adult insects.
4. Read the butterfly identification section after the poem in the book *Waiting for Wings*. Compare the art in the book to photographs in nature guides.

C a p t i o n e d M e d i a P r o g r a m

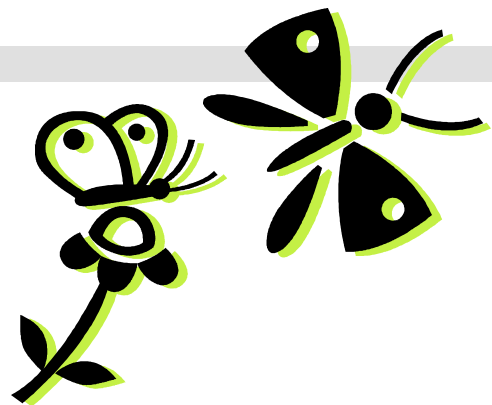
5. Raise caterpillars. On a calendar, keep track of how many days each stage of development takes.
6. Investigate which plants attract butterflies.
 - a. Invite a local authority on the subject to present information, or visit a nature museum, botanical garden, or commercial garden center.
 - b. Identify some plants common to the local area.
 - c. Plant and care for a butterfly garden.
7. Using the style of art in the video, make garden and butterfly pictures.
 - a. Cut out shapes from colored paper. Fold the paper in half before cutting to create symmetrical shapes for leaves, flowers, and butterflies.
 - b. Glue the shapes on white backgrounds.
 - c. Shade the paper shapes with water colors, markers, and colored pencils.
8. Research and report on one kind of butterfly. Include life cycle stages, habitat, geographic location, food, and physical descriptions of both the caterpillar and the butterfly.
9. Read other children's books about butterflies and caterpillars.
 - a. *The Caterpillar and the Polliwog* by Jack Kent.
 - b. *The Very Hungry Caterpillar* by Eric Carle.
 - c. *The Creepy Crawly Caterpillar Book* by Margery Facklam.
 - d. *Angelina and the Butterfly* by Katharine Holabird.
 - e. *The Butterfly House* by Eve Bunting.
 - f. *Where Butterflies Grow* by Joanne Ryder.
 - g. *Isabel's House of Butterflies* by Tony Johnston.

SUMMARY

This program is a single poem in celebration of the butterfly's life cycle, illustrated with bold, brightly colored drawings. The poem begins with butterfly eggs and follows the eggs as they hatch to reveal caterpillars. We then see different kinds of caterpillars cover themselves with hard cases, hibernate, and emerge as butterflies. These butterflies then head for a garden, where they feed on nectar until it is time to lay their eggs. The book contains a short science section, with paintings of common North American butterflies, facts about how and what butterflies eat, and tips on how to grow a butterfly garden.

CMP RELATED RESOURCES

- [Bugs Don't Bug Us! #10003](#)
- [The Big Green Caterpillar #3342](#)
- [The Caterpillar and the Polliwog #2261](#)



World Wide Web



The following Web sites complement the contents of this guide; they were selected by professionals who have experience in teaching deaf and hard of hearing students. Every effort was made to select accurate, educationally relevant, and “kid safe” sites. However, teachers should preview them before use. The U.S. Department of Education, the National Association of the Deaf, and the Captioned Media Program do not endorse the sites and are not responsible for their content.

- **CHILDREN’S BUTTERFLY SITE**

http://www.mesc.usgs.gov/resources/education/butterfly/bfly_intro.asp

Sponsored by the U.S. Geological Service, this comprehensive Web site contains pages of information and pictures, both animated and photographs. Subtopics are the butterfly life cycle, activities, resources, FAQ, and Web links.

- **AMAZING BUTTERFLIES**

<http://www.amazingbutterflies.com/abbutterflykits.htm>

Here’s how to order butterfly kits for your classroom or for home education. Select from butterfly gardens, pavilions, feeders, or mounting kits.

- **NORTH AMERICAN BUTTERFLY ASSOCIATION**

<http://www.naba.org/counts.html>

Find your nearest city anywhere in North America to check on an updated status of the butterfly count there. Educate yourself on butterfly releases and spread the word to help keep species in their native areas. Or enter the national photo or art contest held biennially. Also has the most recent sightings to date.

- **BUTTERFLIES—A PHOTO GALLERY**

<http://www.nestbox.com/bflypic.htm>

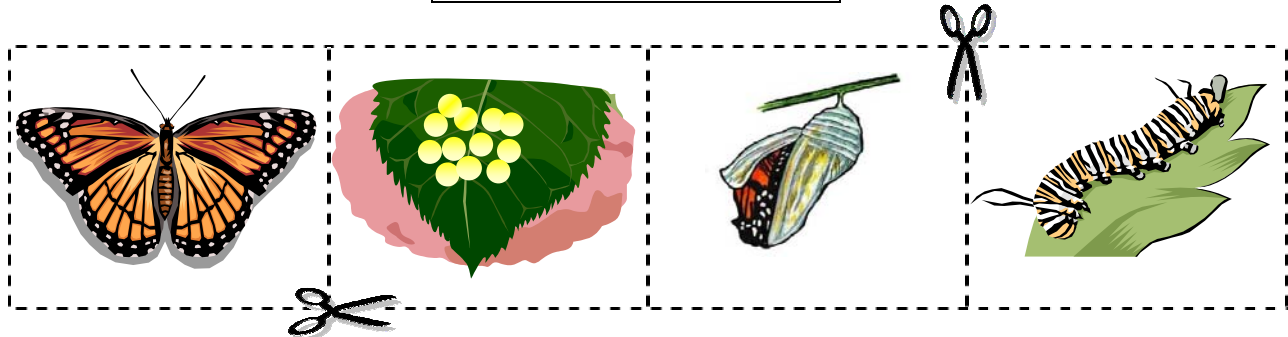
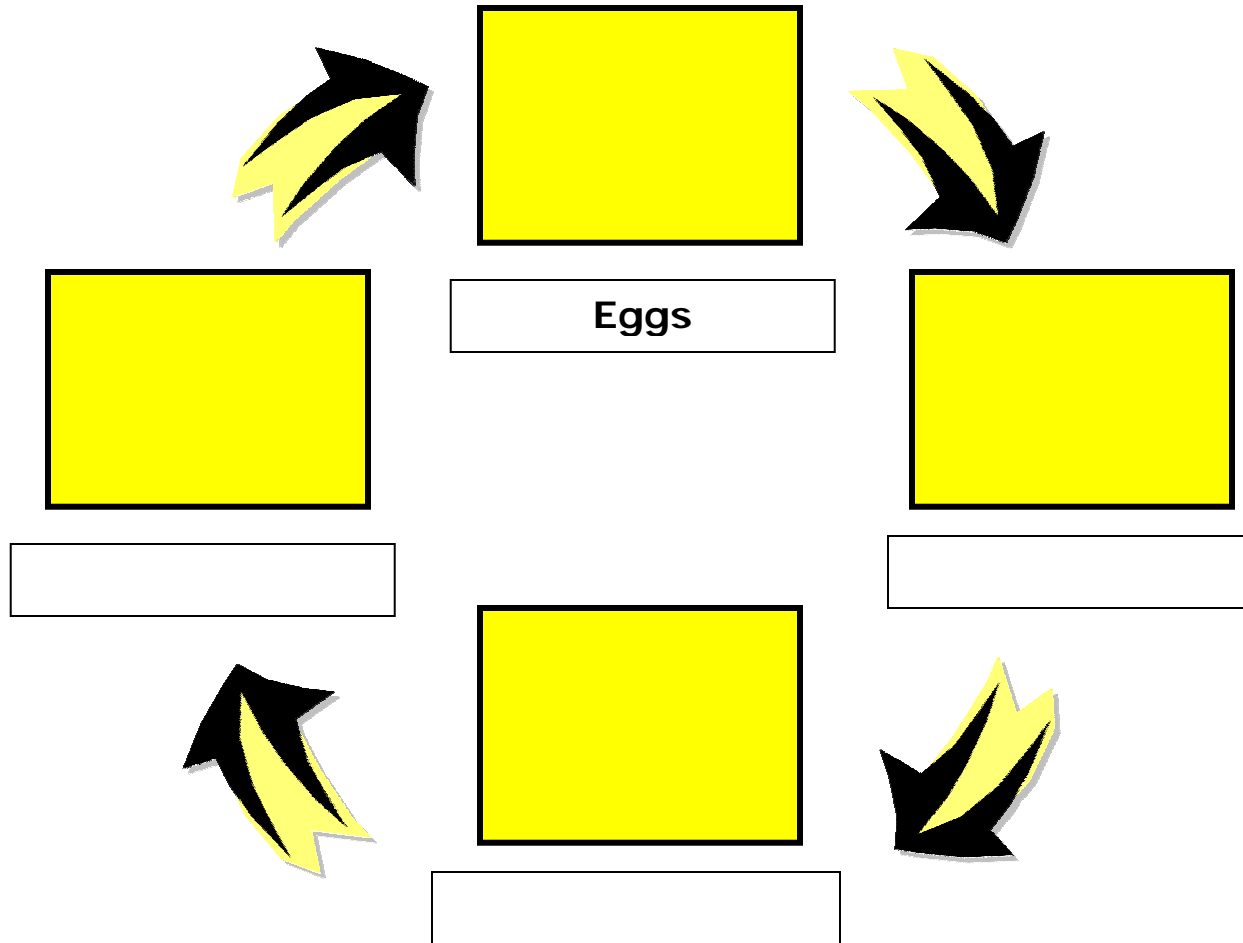
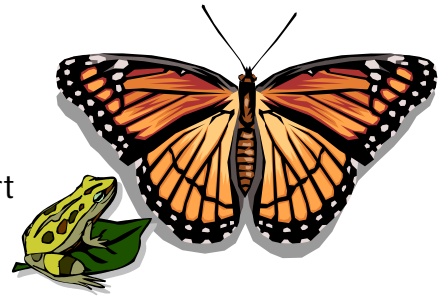
A photo gallery of butterflies. Contains a link to photos on butterflies in various stages and another page to step-by-step metamorphosis of a black swallowtail. All thumbnails can be enlarged to full screen.

INSTRUCTIONAL GRAPHIC

- **BUTTERFLY LIFE CYCLE**

Butterfly Life Cycle

Directions: Cut out the pictures of a butterfly's life stages below. Glue them in the correct order. Start with eggs at the top. Label the other stages.



Captioned Media Program