

## WHAT'S HATCHING?

This program has limited availability based upon time and number of habitats in-use. This program can be completed without hatching live Monarchs in your classroom.

Students will learn about the four stages of a Monarch, their migration and lives across North America and watch them hatch in their classroom!

Learning Profile of Students:

Students will be in grades Pre-K to 4th grade.

PA Standards:

3.1.K.A1

Identify the similarities and differences of living and non-living things.

3.1.K.A3

Observe, compare, and describe stages of life cycles for plants and/or animals.

3.1.K.A5

Observe and describe structures and behaviors of a variety of common animals.

Materials:

Monarch caterpillars

Butterfly habitat; netted, enclosed space

Milkweed and other food sources

Hand wash pledge:

I promise to wash my hands after this program.

Anticipatory set:

1. What do you know about caterpillars and/or butterflies?

a. start as egg

b. turn into butterfly

c. they can fly – migrate

2. Can you name some creatures that lay eggs?

- a. insects/bugs
- b. reptiles
- c. amphibians
- d. birds

3. Tell me what you know about butterflies!

a. they visit certain plants, act as pollinators, fly, lay eggs, start from caterpillars

b. I have some other fun butterfly facts! (Have students come up one at a time to see caterpillars)

Development:

1. Today we are going to look closer at eggs

- a. caterpillars have colored stripes
- b. caterpillars need a lot of plants to eat
- c. you are going to hatch butterflies from their chrysalis

2. Let's look to see how we get from this caterpillar to a butterfly!

- a. Have students come up and look at butterfly development laminated photos
- b. It takes 10-14 days for a caterpillar to transform into a butterfly once it enters its chrysalis, that's only two weeks! (Show photos of chrysalis)
- c. Caterpillars develop into butterflies that are very useful
  - i. Go over importance of pollination
  - ii. Show the different parts of a caterpillar and/or butterfly

Closure:

1. It is now the end of our program, and we are going to recite a poem, so repeat after me:

Pretty Butterfly

Here comes a butterfly and lays an egg,  
(fly fingers onto opposite palm)

Out comes a caterpillar with many legs.  
(crawl fingers on palm)

A little chrysalis to sleep in.  
(close fingers and rest hand on palm.)

Then from the chrysalis, my oh my,  
(open fingers slowly.)

Out comes a butterfly!  
(fly fingers away)

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Adaptations for students with special and individual needs:

Lessons will be adapted as per student's IEP.

Evaluation of Student Learning:

Student learning will be evaluated by in-class questioning during the lesson.