



# Teacher Toolkit

Activity: Bob and Otto

Presented by: Hamilton County Soil and Water Conservation District

## Grade Level(s) K- 1<sup>st</sup> grade

### Activity Description

Through the friendship between Bob the caterpillar and Otto the worm; children will observe the very distinct roles of each organism in the world around them. Children will see that all living beings play a special part in their ecosystem and realize they are all interdependent. Afterwards each child gets to decorate their own cocoon and is given a butterfly to take home!



### Ohio Standards Met

- Science, Kindergarten: Physical and behavioral traits of living things
- Science, Grade 1: Basic needs of living things

### Instructions

- Read Book: Bob and Otto (by Robert O. Bruel)
- Key points to reinforce from reading:
  - Difference between a worm and caterpillar
    - Worm
      - Live in/on the ground, create burrows
      - Must stay wet
    - Caterpillar
      - Able to live on the ground or on plants
      - Changes forms (Egg-> Larva->Pupa->Adult)
      - 14 days
      - Grows and sheds its skin four times

Thanks to Greater Cincinnati Environmental Educators (GCEE) for collecting activities for the Teacher Toolkit



## Instructions (continued)

- Explain the importance of both worms and caterpillars
- Discuss the importance of being friends with things that are different
- Art activity:
  - Each student will be given a butterfly made from a clothes pin, tissue paper and a pipe cleaner.
  - Students will make their own chrysalis for their butterfly.
  - At each table place a bowl with a mixture of water and glue, a pile of tissue paper and a paint brush and toilet paper roll for each child.
  - Use as little glue as possible and paint a small section of the toilet paper roll at a time. Place small pieces of tissue paper on glue. Continue section by section until the toilet paper roll is covered. You may paint on top of tissue paper with glue to lay down edges.
  - Leave chrysalis in a safe place until dry and then you may carefully fold butterfly wings and put butterfly in chrysalis.

## Materials Needed

- Toilet Paper Roll
- Tissue Paper
- Water and Glue mixture
- Pipe Cleaners
- Old Fashion Clothes Pins (without spring)

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