



Young
Audiences
Arts for
Learning
Massachusetts

Andrea & Liz: Butterflies, Frogs, and Flowers, Oh My!: Songs and Stories for Science Learning [Frogs & Butterflies]

For Educators

About the Performance

Frogs and Butterflies: Join Andrea & Liz to learn about frogs, butterflies, and other creatures that live in ponds and bogs, through interactive songs and stories from several cultures. Students will act out the life cycle of a butterfly, and participate in songs about frogs and their life cycles. They'll also learn about creature habitats and learn the importance of respect for the Earth and our fellow creatures.

Program Learning Goals

1. Students will understand that the life cycles of creatures and plants follow a logical sequence, with a beginning, middle and end.
2. Students will learn the meaning of vocabulary words relating to the life cycle of frogs and butterflies, including metamorphosis, chrysalis, polliwog, gills, lungs.
3. Students will make connections between science content and folk tales and songs from American and world cultures (STEAM).

Essential Questions

1. How do creatures change as they grow?
2. What is our responsibility to care for the plants and animals around us?
3. Why is it important to respect and care for the earth and living creatures?

Important Vocabulary

Metamorphosis: Change in form or habits as some animals transform from immature to mature phase

Life Cycle: The series of changes in the life of an organism

Environment: The surroundings or conditions in which a person, animal, or plant lives or operates

ALSO: *Chrysalis; Tadpole; Polliwog; Gills; Lungs; Nectar; Proboscis; Camouflage; Bog*

Post-Performance Discussion Questions

1. What are the different stages in the life cycle of a frog?
2. What are the different stages in the life cycle of a butterfly?
3. Do humans have a life cycle? How do we change as we grow?
4. What can we do to help make sure that frogs and butterflies continue to survive and thrive on our earth?



About the Program

Join Andrea & Liz to learn about frogs, butterflies, and other creatures that live in ponds and bogs. Together we will act out the life cycle of a butterfly, and sing songs about frogs and their life cycles. We'll also learn about creature habitats and learn the importance of respect for the Earth and our fellow creatures.

Bogs, Marshes, and Swamps

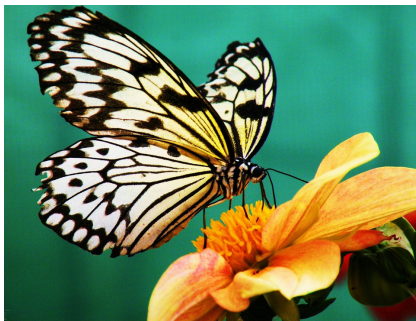
Bogs, marshes, and swamps are different kinds of *wetlands*. They are wet and have lots of plants and nutrients. Frogs, butterflies, and other creatures live here.



Pre-Show Activity: The Very Hungry Caterpillar

Read or watch the story *The Very Hungry Caterpillar* written and illustrated by Eric Carle, and ask yourself these questions:

1. How did the caterpillar change throughout the story?
2. Why do you think the caterpillar was so hungry?
3. What did the caterpillar start out as at the beginning of the story?
4. What did the caterpillar change into at the end of the story?



[Click here to watch *The Very Hungry Caterpillar* Animated Story.](#)

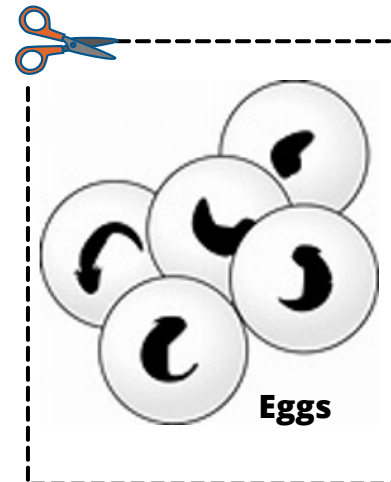
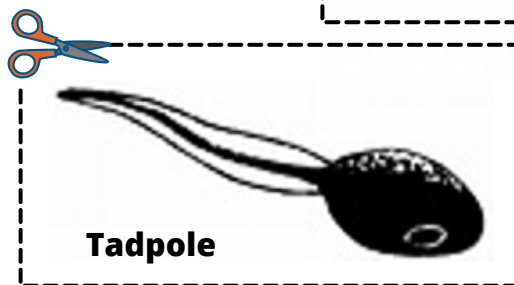
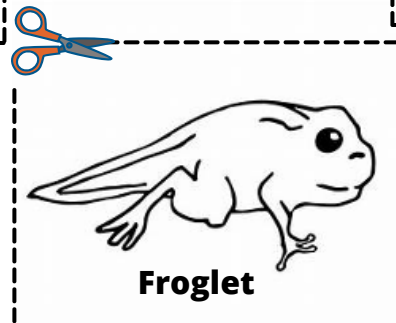
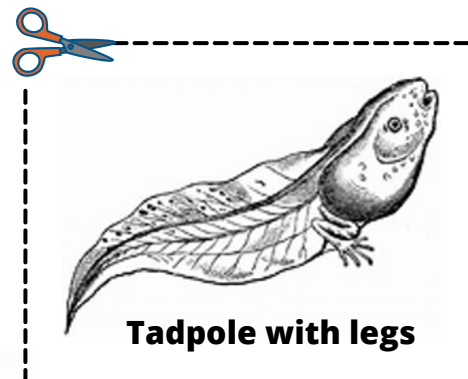
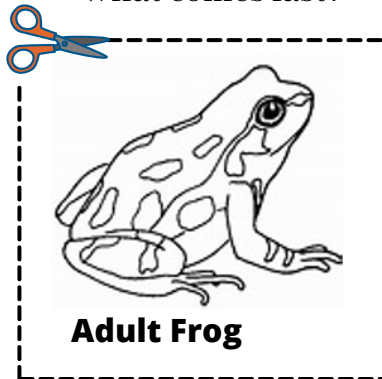


Post-Show Activity: Sequencing the Life Cycle of a Frog

- Watch the video about The Life Cycle of a Frog

[Click here to watch The Life Cycle of a Frog video](#)

- Cut out the pictures below. You can color them in if you like.
- Can you put the pictures in order? What comes first? What comes next? What comes last?



- Using your pictures, can you tell a parent, your teacher, a sibling or a friend, the story of the life cycle of a frog?
- Think about your life cycle? How have you changed as you got older? Can you draw or write the story of your life cycle?