

### **Amphibians**

Find out more about amphibians (frogs, toads, salamanders) that live in your area. Topics covered will include classification, special adaptations, behavior, world-wide conservation status, and in-depth descriptions with pictures of the local species found in Burlington County.

### **Bee Aware**

Pollinators are crucial to the proper functioning of the natural world and our agricultural system. This important presentation will discuss the plight of insect pollinators, with a special focus on honey bees, detailing their serious decline known as colony collapse disorder, and what it means for our food supply, economy, and environment. Find out what you can do to help and what commonly used pesticides are toxic to bees and other beneficial insects. (2 hours, ages 14 and up)

### **Beneficial Insects**

From pollinators to recyclers to predatory insects that keep pest populations in check, beneficial insects are crucial to the proper functioning of the natural world. Participants will learn about the important roles of beneficial insects, and how to identify the common species in our area. Find out how to attract beneficial insects to your yard, as well as what we can do to help ensure that they aren't poisoned with pesticides.

### **Best of Burlington County Parks**

Jen discusses her favorite places, trails, and species in the Burlington County Parks System, as well as the most memorable sightings from 2008-present.

### **Birding 101**

Birding is a fun and popular form of recreation, but it can be challenging and overwhelming as a beginner to know where to start. This presentation is for those interested in beginning birding, suitable for ages 12 – adult. Learn the essential basics for bird identification, tips for choosing binoculars, and birding do's and don'ts.

### **Birds and Bare Branches**

Winter can seem bleak and drab with no leaves on the trees, but many birds are present during the winter, and many are only here during the colder months of the year. Learn about the resident and migratory birds that are found in Southern NJ in the winter months. This is a photographic slide show depicting species from ducks to eagles to finches.

### **Birds of Burlington County**

Learn how to identify birds of our area by becoming familiar with the different families and the characteristics that they share. Each order and passerine family is covered with photographic examples. (2 hours)

### **Birds of Prey**

Discover the hawks, eagles, vultures, and owls that reside in Burlington County in this photographic slide show. Learn about raptor adaptations, behaviors, migration patterns and conservation efforts to bring endangered species back from the brink of extinction.

### **Burlington County Parks System**

This presentation is all photograph-based and focuses on each park property, where they are located, the amenities each park has, the best times to visit, what types of programs are held throughout the year, and examples of plants and animals you may find there.

## **Beautiful Butterflies and Crazy Caterpillars**

Discover the world of some of our most beloved insects: the butterflies. This presentation will focus on behaviors, defenses, life cycles, and natural history of butterflies and caterpillars in Burlington County. The difference between butterflies and moths along with photographic examples of some moths that occur during the day will be discussed. The presentation includes photographs of butterflies (adults and caterpillars) representing each of the five families found in our Burlington County Parks.

## **Dragonflies and Damselflies**

Discover the incredible hunters of the insect world: the dragonflies and damselflies. This indoor PowerPoint presentation will focus on recognizing adaptations, behaviors, life cycles, and ecological significance of these beneficial insects. The slide show includes photographic examples of amazing species found in our Burlington County Parks.

## **Fungi and Lichens: “Lich-en the Fungus Among Us”**

An overview of the important roles that lichens and fungi play in the environment (not for identifying individual species). The three main types of fungi will be discussed, with a focus on mycorrhizal associations with plants. Discover the many ways that people and animals use lichens. Gain a better appreciation of the beneficial and amazing relationships within the fungi kingdom.

## **How We Use Insects**

Discover the many ways in which people use insects, both currently and historically, with links to Burlington County. Find out about silk, honey, wax, shellac, dyes, ink, medicine, and more in this PowerPoint presentation.

## **Life that Glows: UV-induced Visible Fluorescence**

Discover an intriguing hidden world of glowing organisms found right here in New Jersey! Some objects, when subjected to short wave ultraviolet radiation, will emit another type of light, with lower energy and longer wavelength. This phenomenon is referred to as ultraviolet-induced visible fluorescence (UVIVF). To find out what fluoresces in our area, Bulava started a series called “Life That Glows” where participants walk in the dark with special UV flashlights to find glowing life. This presentation displays the photographic observations from those outings and summarizes preliminary findings of Bulava’s research in this exciting new field to science, UVIVF.

## **Native or Alien: Plants and Fungi**

Exotic plants and fungal blights continue to wreak havoc on our environment. Find out how they got here, how to recognize them, and why they are so destructive. Learn how to identify the 20 most common invasive plants that are found in South Jersey.

## **Reptiles**

These cold-blooded creatures are often overlooked and misunderstood. Find out more about reptiles (turtles, snakes, and lizards) that live in your area. Topics covered will include classification, special adaptations, behavior, world-wide conservation status, and in-depth descriptions with pictures of the local species found in Burlington County.

## **The Secret World of Plants & Pollinators**

This presentation will focus on the incredible ways in which plants communicate with animals. Flowers are not pretty colors and pleasant smells for us - it's all about the pollinators. Discover amazing strategies of plants, the colors that pollinators see, and ways in which both plants and animals can help or deceive each other. Did you know that a bee's eye view is extremely different from what we see, and from what a bird sees? Participants will find that taking a much closer look at flowers can open up an entire hidden world that is more complex and fascinating than one ever imagined.

## **Wildlife in Winter**

Learn about the special adaptations of local wildlife and plants in winter. Discover the strategies that insects, birds, amphibians, reptiles, mammals, and fish use to survive the winter, as well as adaptations of deciduous and evergreen plants.

## **Winter Waterfowl**

This Powerpoint Presentation is an in-depth look at the over-wintering waterfowl species occurring in NJ. What makes ducks, geese, and swans different from other water birds? Discover their special adaptations, behaviors, and migratory journeys. Find out which species can be found in our Burlington County Parks in the winter months and the best places and times to look for them.