

**Pond Study
Cost of Service**

| Description of Service | Cost |
|---|---------------------|
| Pond trip with ESP instructor (up to 5 lessons per day) | \$175.00 per day |
| Pond trips are available to schools in Monroe County only. | |



**FOR MORE
INFORMATION:**

**THE ELEMENTARY
SCIENCE PROGRAM**

38 Turner Drive
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Must we always teach our children with books? Let them look at the stars and the mountains above. Let them look at the waters and the trees and flowers on Earth. Then they will begin to think, and to think is the beginning of a real education.

David Polis

**THE ELEMENTARY
SCIENCE PROGRAM**

**A Pond
Study**
with



Why should the students at my school take a trip to the pond ?

- Kids have a innate connection to the natural world, and unfortunately, more and more children today have less and less contact with the natural world.
- When in nature, **all of a child's senses are stimulated**. The student is seeing, hearing, and touching, and the child is **focused and engaged**.
- A child **experiencing nature is essential** to that child's health and development.
- Once students discover all the various living things in the pond that they never knew were there before, their sense of **respect and care for the natural environment** grows.
- Correlates to Dimension 3: Disciplinary Core Idea-Life Sciences of the **Framework for K-12 Science Education**.

Why should the students at my school take a pond trip with ESP ?

- The teachers from the Elementary Science Program will lead the lessons at the pond with your students and help them make various observations and discoveries at the pond.
- ESP teachers will work with classroom teachers to structure the lesson so instruction that has taken place in the classroom is reinforced.
- All tools and materials needed for the lessons are provided by ESP. *You just bring your students!*



Every child is born a naturalist. His eyes are, by nature, open to the glories of the stars, the beauty of the flowers, and the mystery of life.

R. Search



What do the pond study lessons look like?

- An introduction to the pond ecosystem includes background information on the pond and its life cycle.
- Tools provided by ESP are used to collect data at the pond (air and water temperature, pH, dissolved oxygen) and the data is used to discuss how non-living factors have an impact on the pond.
- Tools are also provided for students to find macro-organisms and plant life living in the pond and observe their behaviors.
- Students are outdoors and exploring the pond to learn first hand how the living things in this dynamic ecosystem depend on each other for survival.
- Organisms found at the pond allow the ESP teachers to discuss a variety of topics that enhance classroom instruction including:
 - Food chains/webs
 - Structures of organisms
 - Life cycles

