

**Environmental Studies School  
Course 1, Series 2 Schedule**

Cylburn Arboretum Greenhouse Classroom  
4915 Greenspring Ave., Baltimore, MD 21209

Day One – Tuesday, September 26, 2017

7:50 - 8:20 - **Registration & Coffee**, Morning Snacks  
8:20 – 8:30 – **Welcome & Announcements**

8:30 - 9:30 – Sara Via, Ecology & Professor, UMD  
**Ecology** – Four major components of Earth's life support system: atmosphere (air), hydrosphere (water), geo-sphere (rock, soil, sediment), and biosphere (living things). Major components of an ecosystem.

9:40 – 10:40 – Lynn Walter, FGCMMD Member  
**Environmental Science** - Examine the principles of environmental science; renewable, non-renewable resources; energy conservation and loss prevention.

10:50-11:50 – Sara Via, Ecology Professor, UMD  
**Environmental Issues** - Earth's finite carrying capacity; human impact; concept of “Tragedy of the Commons”; issues in solid waste management.

11:50-12:40 – **Lunch** (provided on-site)

12:40-1:40 – Sara Via, Ecology Professor, UMD  
**Plants – Biodiversity** - The role of species in an ecosystem including genetic variation and ecosystem diversity; protective mechanisms and sensitivities to environmental change.

1:50 – 3:30 – **Field Trip** – On the Grounds of Cylburn Arboretum

**Environmental Studies School  
Course 1, Series 2 Schedule**

Day Two – Wednesday, September 27, 2017

7:50 - 8:20 – **Registration & Coffee**, Morning Snacks  
8:20 – 8:30 – **Morning Announcements**

8:30 - 9:30 – Lynn Walter, FGCMMD Member  
**Networking & Outreach** - Explore ways to effectively work with individuals, organizations, institutions, businesses, and government in the pursuit of common goals beneficial to the earth and life on earth.

9:40 - 10:40 – Erin Reed, Audubon Baltimore  
**Backyard Wildlife Habitat** - Audubon experts will be on hand to share practical tips and scientific support for gardening with native plants. Leave with resources you need to beautify your outdoor space and attract birds, butterflies, and other beneficial wildlife.

10:50 - 11:50 – Kirk Brown, Environmental Educator  
**Historic Environmental Action & Leaders** - History of human actions on the environment, both positive and negative; review of environmental leaders, and landmark legislation to preserve and protect the environment.

11:50 - 12:40 – **Lunch** (provided on-site)

12:40 - 1:40 – Kirk Brown, Environmental Educator  
**Sustainability** - Introduction and explanation of principles of sustainability; what is an environmentally sustainable society? Explanation of sustainable living: learning from nature and what is required to become sustainable.

1:40 – 2:00 – **Course Review & Wrap-Up**

2:00 – 4:00 – **Open Book Written Exam**  
(only required for those seeking consultant status)

**Environmental Studies Schools Course 1**  
will be held at the  
**Cylburn Arboretum Greenhouse Classroom**  
4915 Greenspring Ave., Baltimore, MD  
Tuesday and Wednesday,  
**September 26 and 27, 2017**

More than 20 beautiful gardens ornament the grounds at Cylburn, including themed, memorial, habitat, and traditional gardens. Cylburn's gardeners and volunteers make sure the gardens are beautiful year-round. The Cylburn collection of trees and shrubs dates back to the late 1800s. Some of the original trees, like the grove of Japanese Maples, still stand. Discover native, nonnative, unique, and champion trees. Cylburn is one of the largest wooded areas in Baltimore City, making it an important habitat for local plants and animal life. It is a great place for birding and wildflower enthusiasts. Discover the forest and wildlife first hand on more 3.5 miles of trails.

**Directions to Cylburn**

- Cylburn is accessible from I-83 South or North
- Exit Northern Parkway West
- At first stoplight, turn left onto Greenspring Avenue
- Continue past traffic light at the intersection of Cylburn Avenue and Greenspring Avenue
- Turn left into the Arboretum gates

**Hotel Information**

The Radisson Hotel at Cross Keys (5 minute drive to classroom) 5100 Falls Road, Baltimore, MD 21210 410-532-6900; (special discount available)

**Dress Code**

Comfortable clothing and appropriate outerwear; including waterproof hiking shoes for the outdoor field trip, depending on the weather that day.

**Environmental Studies School  
Course Information  
Course 1, Series 2 – The Living Earth**

Tuesday & Wednesday, September 26 & 27, 2017

Sponsored & Hosted by Federated Garden Clubs of  
Maryland  
President: Diana Bonner

State ESS Chair: Linda Harris 443-695-2071  
lindaharris355@aol.com

**Mission Statement:** To teach environmental literacy; to cherish, protect and conserve the living earth.

**School Description:**

The Living Earth Environmental Studies School is composed of a minimum of forty hours of study. Specific units are divided into four courses of ten hours each which includes a two-hour field trip. The courses investigate AIR, LAND and WATER. The units are divided into Ecology and Environmental Science, Life on Earth, and Earth Stewardship.

The courses teach participants environmental literacy, appreciation of the natural world, encourages action for sustainable development and appreciation for the interrelation of all natural things. Particular emphasis is presently placed on land conservation, water conservation and air quality.

Optional Exams are offered for those wishing to become NGC Accredited Environmental Consultants.

**Environmental Studies Schools are open to everyone whether or not they are garden club members.**

**Course Requirements**

Official Text for Course 1:  
***Living in the Environment*** by G. Tyler Miller

**Available at significant savings through Amazon.com**  
(Editions 12 - 16 are available used for \$10-\$30 including shipping)  
**Copies are also available to borrow – contact Linda Harris**

*Living in the Environment*  
Reading requirements for Course 1, listed by edition  
**Chapters should be read before classes start**

**7<sup>th</sup> Edition** - Chapters 1, 2, 4, 5, 16, 20  
**8<sup>th</sup> Edition** - Chapters 1, 2, 4, 5, 16, 20  
**10<sup>th</sup> Edition** – Chapters 1, 2, 5, 6, 13, 25  
**11<sup>th</sup> Edition** – Chapters 1, 4, 6, 7, 9, 23, 24  
**12<sup>th</sup> Edition** – Chapters 1, 2, 4, 6, 9, 11, 16, 20, 22, 26, 27, 28  
**13<sup>th</sup> Edition** – Chapters 1, 2, 4, 5, 6, 7, 8, 9, 12, 21, 22, 23  
**14<sup>th</sup> Edition** – Chapters 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 15, 18, 19, 20, 21, 22, 23, 24, 26, 27  
**15<sup>th</sup> Edition** – Chapters 1, 2, 3, 4, 8, 10, 11, 12, 13, 14, 17, 18, 21  
**16<sup>th</sup> Edition** – Chapters 1, 2, 3, 4, 5, 6, 7, 9, 10, 12, 15, 16, 17, 22, 24, 25  
Plus Supplements 3, 4, 5, 9, 10, 11, 12

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