

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

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

Day One – Tuesday, April 24, 2018

7:50 - 8:15 – **Registration;** Coffee, Morning Snacks  
8:15 – 8:30 – **Welcome & Announcements**

8:30 - 9:30 – Lynn Walter, FGCMD Member &  
Environmental Educator  
**Coastal Zone Management** – Values, uses and  
functions of coastal zone ecosystems; management  
techniques involved in its protection.

9:40 – 10:40 – Sara Via, Ecology Professor, UMD  
**Ecology-Land** – Origins, characteristics and life  
forms of various land types (forests, grasslands,  
deserts, mountains); soil renewal & reclamation.

10:50-11:50 – Sara Via, Ecology Professor, UMD  
**Plants-Agriculture** – origin of food plants and food  
production; sustainable agricultural systems & soil  
renewal; sustainable food production; corporate  
farming.

11:50-12:40 – **Lunch** (provided in classroom)

12:40-1:40 – Sara Via, Ecology Professor, UMD  
**Amazing Soil Microbes** – The decomposition of  
organic matter by soil organisms has an immense  
influence on soil fertility, plant growth, soil  
structure, and carbon storage.

1:50 – 3:30 – **Field Trip** – On the Grounds of  
Cylburn Arboretum – John Fitzpatrick will give us a  
tour of the fields of daffodils and many of the spring  
ephemerals that can be found on the edge of the  
woods.

**Environmental School  
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Day Two – Wednesday, April 25, 2018

7:50 - 8:15 – **Registration;** Coffee, Morning Snacks  
8:15 – 8:30 – **Morning Announcements**

8:30 - 9:30 – Kirk Brown, President, Association for  
Garden Communicators  
**Environmental Science - Resources** – Earth's  
renewable & finite resources; their distribution  
around the world and the impact of population &  
economic factors.

9:40 - 10:40 – Kirk Brown, President, Association for  
Garden Communicators  
**Earth Stewardship-Gardening with Nature** –  
applying conservation principles to landscaping of  
home & public grounds.

10:50 - 11:50 – Chuck Schuster, Extension Educator,  
UMD Extension  
**Source Reduction of Pollutants, Toxics &  
Materials** – Pollution abatement and control  
through recapturing & recycling; techniques of  
pollution control; a review of pollution laws.

11:50 - 12:40 – **Lunch** (provided in classroom)

12:40 - 1:40 – Lynn Walter, FGCMD Member &  
Environmental Educator  
**Wildlife – Animals; The Misunderstoods** -  
The value of animals and organisms such as reptiles,  
bugs, bats, worms, fungi and microorganisms; their  
positive contribution in the web of life.

1:40 – 2:00 – **Course Review for Exam**

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

**Environmental School Course 2**  
will be held at the

**Cylburn Arboretum Greenhouse Classroom**  
4915 Greenspring Ave., Baltimore, MD  
Tuesday and Wednesday,  
**April 24 and 25, 2018**

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 (5-10 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 School Course Information**  
**Course 2, Series 2 – The Living Earth**  
**Land & Related Issues**

Tuesday & Wednesday, April 24 & 25, 2018

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

State Environmental School 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 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 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)

*Living in the Environment*  
Reading requirements for Course 2, listed by edition

**Chapters should be read before classes start**

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

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