

Environmental School - Course 3 Schedule

Day One – Wednesday, April 3, 2019

7:45 AM - 8:15 – **Registration**; Coffee/Tea, Breakfast
8:15 AM - 8:30 – **Welcome & Announcements**

8:30 - 9:30 – Dr. Sara Via, Ecology & Climate Change Professor, University of Maryland

Ecology - Air - Qualities of air including climate, temperature, and chemical composition, as well as the relationship of climate and vegetation in determining climate; impact of the Clean Air Act.

9:40 - 10:40 – Dr. Sara Via, Ecology & Climate Change Professor, University of Maryland

Plants - The Rain Forest – Explore rain forests, their locations, functions, ecology and significance to earth's critical systems. Study the causes of tropical deforestation and biodiversity loss.

10:50 - 11:50 – Kerry Wixted, Education & Outreach Specialist, MD DNR Wildlife & Heritage Service

Beneficial Insects – Learn about beneficial insects and spiders that can be found in backyard gardens from wasps to assassin bugs and more; ways to attract them to fight the good fight.

11:50 - 12:30 – **Lunch** (provided in classroom)

12:30 - 1:30 – Lynn Walter, FGCMD Member & Environmental Educator

Initiating School Programs – Explore options to provide environmental grade-appropriate lessons & projects; consider opportunities to become involved with environmental education programs in schools.

1:45 – 3:45 – **Field Trip Led by Ned Tillman, Award Winning Author, Environmental Scientist** – Walking trip around one of Columbia's lakes, including a large memorial garden; discussion of history of the area and the multiuse aspects of the paths, lakes, and open spaces; discussion of some of the challenges of this planned city, plans for future growth.

Environmental School - Course 3 Schedule

Day Two – Thursday, April 4, 2019

7:45 AM - 8:15 – **Registration**; Coffee/Tea, Breakfast
8:15 AM - 8:30 – **Morning Announcements**

8:30 - 9:30 – Lynn Walter, FGCMD Member & Environmental Educator

Earth Stewardship – Material Sources & Citizen Education Programs – Explore sources of environmental information and pollution reporting contacts; examples of citizen education programs.

9:40 - 10:40 – Chuck Schuster, Extension Educator, University of MD Extension, Montgomery County

Environmental Science - Pollution – Investigate outdoor and indoor air pollution; their effects on plants, animals, structures, the environment and human health. Review air pollution laws and regulations.

10:50 - 11:50 – Kirk Brown, Environmental Educator, Landscape Architect

Wildlife-Endangered Plant & Wildlife – Explore the principle causes of species depletion and extinction, including the elimination of habitat, environmental toxics, natural causes, and over-consumption; history and impact of the Endangered Species Act.

11:50 - 12:30 – **Lunch** (provided in classroom)

12:30 - 1:30 - Kirk Brown, Environmental Educator, Landscape Architect

Environmental Ethics – Learn how to foster a value system of right and wrong which respects earth, life on earth, and the interdependence of all nature; understand moral duty, obligations and principals of responsible earth citizenship, ecosystem protection and healing.

1:30 - 3:30 – **Open Book Written Exam**
(only required for those seeking consultant status)

Hotel Information

Sheraton Town Center Columbia, 10207 Wincopin Circle, Columbia, MD 21044. Reservations: 888-627-8318 with a room rate of \$129 if reserved by March 5th by mentioning FGCMD.

Directions to Sheraton

The Sheraton in Town Center Columbia is located at 10207 Wincopin Circle, Columbia, MD 20144 and is accessible from MD Route 29, MD Route 175, MD Route 100, I-70, and I-95. BWI Airport is only 11 miles away and offers easy access to Columbia.

NGC Environmental Schools

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 LAND, AIR, 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.

REGISTRATION FORM

Environmental School – Course 3, April 3 & 4, 2019

Name: _____

NGC Garden Club Name (if applicable):

State & District:

Email: _____

Address: _____

Phone: _____

Please choose your registration:

_____ **Two-Day Course Registration Fee of \$110**
includes two days of 8 class hours, 2-hour field trip,
printed Student Study Manual, lunch both days.

_____ **April 3rd Only, Registration Fee of \$70**
Includes 4 class hours, a 2-hour field trip, and lunch.

_____ **April 4th Only, Registration Fee of \$60**
Includes 4 class hours and lunch.

Are you taking the exam? Yes ___ No ___

Are you refreshing? Yes ___ No ___

Note: Refreshing Consultants must attend the full course.
Students earning credit towards an Environmental Consultants
Certificate must take the full course with the exam.

Mail registration form & check to:

Phyllis Rambo, Council Treasurer
PO Box 436, Oxford, MD 21654

Make Checks payable to: FGCMDC ECC
FGCMDC-Environmental Consultants Council

******Any special needs or diet restrictions? If so,
please provide details:**

Course Requirements

Official Text for Environmental School Courses 1-4
Living in the Environment by G. Tyler Miller

Available at significant savings at Amazon.com
(Editions 12 - 16 are available used for
\$10-\$30 including shipping)

Living in the Environment

Reading requirements for Course 3, listed by edition

Chapters should be read before classes start

7th Edition - Chapters 6, 10, 11, 21, 25, 26

8th Edition - Chapters 6, 10, 11, 22, 26, 27

10th Edition – Chapters 12, 14, 15, 16, 17, 28

11th Edition – Chapters 15, 16, 18, 19, 24, 26, 29

12th Edition – Chapters 1, 6, 15, 17, 18, 22, 26, 27, 28

13th Edition – Chapters 6, 17, 18, 22, 27, 28

14th Edition – Chapters 1, 2, 4, 5, 6, 8, 11, 12, 13, 14,
15, 17, 18, 20, 21, 22, 24, 25, 26, 27, 28

15th Edition – Chapters 1, 2, 3, 4, 5, 7, 11, 15, 19, 20,
22, 25, 26

16th Edition – Chapters 1, 3, 4, 7, 9, 12, 17, 18, 19,
21, 24, 25; Supplements 3, 4, 8, 9, 10, 11, 12

17th Edition – Chapters 1, 18, 19, 23, 24;
Supplement 7

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whether or not they are garden club members.**

Questions, Please Contact

State Environmental School Chair: Linda Harris
443-695-2071, lindaharris355@aol.com

Environmental School Course Information & Registration

Course 3, Series 2 – The Living Earth Air & Related Issues



Wednesday & Thursday,
April 3 & 4, 2019

Sheraton Town Center Columbia
10207 Wincopin Circle, Columbia MD 21044

Sponsored by
Environmental Consultants Council
Federated Garden Clubs of Maryland, Inc.
Environmental School Chair, Linda Harris

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Federated Garden Clubs of Maryland, Inc.