

**Environmental School  
Series 6 Course 4  
March 28-29, 2022**

Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Email \_\_\_\_\_  
Cell Phone \_\_\_\_\_  
Garden Club \_\_\_\_\_  
Dist. & St. \_\_\_\_\_

**Make check Payable to:  
GCFP Environmental School  
ES Course 4 on memo line**

Mail by March 14<sup>th</sup>. 2022  
To: Nancy Lambert Fulk  
144 Tory Circle  
Enola, PA 17026-2667  
[nfulk@comcast.net](mailto:nfulk@comcast.net) 717-732-9167

Full Course: w/exam\*    \$60.00 \_\_\_\_\_  
Full Course: no/exam    \$55.00. \_\_\_\_\_  
Full Course Refreshing    \$60.00 \_\_\_\_\_

**Lunch included**

\*Exams are optional, but to be accredited w/NGC,  
exams are required.

The National Gardener – 4 issues per year;  
Guide for Students and Consultants, available on  
NGC.

Recommended reading for Course 4:  
Living in the Environment by G. Tyler  
Miller. Used & new textbooks available on  
Amazon.com or borrow from a friend.

Reading requirements for Course 4, listed by  
edition. Only one edition is needed.

Course 4, Series 6

7<sup>th</sup> Edition - Chapters 3,13,17,18,22,24

8<sup>th</sup>.Edition - Chapters 3,13,17,18,23,25

10<sup>th</sup>Edition - Chapters 8,10,11,18,19,26,27

11<sup>th</sup> Edition -Chapters 8,10,11,13,17,20,27,28

12th Edition Chapters

1,4,7,13,15,19,20,24,26,27,28

13th Edition- Chapters 1,4,7,14,19,24

14<sup>th</sup>.Edition - Chapters 1,4,7,8,14,15,19,22,26,27  
Appendices 1,2 & 3 and Glossary and CD

15<sup>TH</sup>.Edition-Chapters 1,6, 12, 14, 21

16<sup>th</sup> Edition

Chapters 1,3,4,6,7,8,9,11,13,18,20,22,23,24,25.  
SUPPLEMENTS 3,4,7,8,9,11,12 & GLOSSARY

17<sup>th</sup>. Edition-Chapters 1,8,11,13,24

19<sup>th</sup>Edition- Chapters 8,11,13,20,22,23,24

**Environmental School  
Course 4 - Series 6  
Water and Related Issues  
March 28, 29, 2022  
Presented by  
Garden Club Federation of  
Pennsylvania**



Sheila Croushore, GCFP President

Nancy Lambert Fulk  
GCFP Environmental School Chair

Sharon Richardson  
GCFP Environmental School Co-Chair

## Environmental School -Course 4

### Monday, March 28, 2022

8:30 Registration and Welcome

9:00-10:00 Lecture 1: Ecology,

Dr. Melinda Daniels

10:00-10:15 Break

10:15-11:15 Lecture 2: Aquatic Plants,

Dr. Marc Peipoch

11:15 -12:00 Lunch

12:00-1:00 Lecture 3: Youth Programs  
in Environmental Education,

Dr. Steve Kerlin

1:00- 3:00 Nature Discover Field Trip:

tour of Stroud Water Research Center  
and White Clay Creek

Dr. Steve Kerlin and Education Staff

3:00--4:00 Review and Quiz

### TUESDAY, MARCH 29, 2022

8:30 Welcome

8:45-9:45 Lecture 4: Earth

Stewardship- Effective Citizenship,

Carol Armstrong

9:45-10:00 Break

10:00 -11:00 Lecture 5: Wetlands,

Dr. Oviedo-Vargas

11:00 -11:45 Lunch

11:45-12:45 Lecture 6: Environmental  
Science- Sustainability., Dr. Scott Ensign

12:45-1:00 Break

1:00-2:00 Lecture 7: Aquatic Animals,

Dr. John Jackson

2:00-2:15 Break

2:15 -3:15 Lecture 8: Supplemental  
Subject -Environmental Modeling,

Dr. Scott Ensign

3:15-4:15 Review and quiz

## Hotel Information & Directions

Hilton Garden Inn Kennett Square

815 East Baltimore Pike

Kennett Square, PA 19348

833-523-0728

Ask for **Environmental School Rate--\$109.00**

Directions from the Hilton Garden Inn to  
Stroud Water Research Center

970 Spencer Rd. Avondale, PA 19311

10 min. (6.6 mi) via US-1 S

Continue to US-1 S

Follow US 1-S to Newark Rd. in New Garden  
Township. Take the exit towards

Toughkenamon/London Grove from US 1-S

Follow Newark Rd and Spencer Rd. to your  
destination in West Marlborough Township.

Turn right onto Newark Rd.

Turn left onto Spencer Rd.

98 ft. turn slight left,

**Stroud Water Research**

**970 Spencer Rd. Avondale, PA**



## Stroud Water Research Center

[https:// stroudecenter.org](https://stroudecenter.org)

"Since 1967, Stroud™ Water Research Center has focused on  
one thing -fresh water.

Mission: Stroud Water Research Center seeks to advance  
knowledge and stewardship of freshwater systems through global  
research, education, and watershed restoration.

Dr. Melinda Daniels: Associate Research Scientist Education  
Ph.D., Physical Geography, University of Illinois, Urbana  
Champaign, Illinois.

Master of Research in Environmental Science University College  
London, London, United Kingdom,  
B.S., Natural Resources and Environmental Science Cornell  
University, Ithaca, New York.

Dr. Marc Peipoch:

Assistant Research Scientist, Principal Investigator, Ecosystem  
Ecology Group Education

Ph.D., Aquatic Ecology, U of Barcelona, Spain. M.S., Aquatic  
Ecology U of Barcelona, Spain. B.S., Environmental Science, U of  
Girona, Spain

Dr. Steve Karlin, Director of Education, Edu. Ph.D., Curriculum  
and Instruction, PSU M.S., Curriculum and Instruction at PSU  
B.S., Secondary Education, PSU

Dr. Diana Oviedo Vargas:

Assistant Research Scientist, Principal Investigator Education  
Ph.D., Environmental Sciences, Indiana University, Bloomington,  
Indiana.

M.S., Environmental Sciences, Indiana University,  
Bloomington, Indiana.

B.S., Chemistry, University of Costa Rica, San Jose, Costa Rica.

Dr. Scott Ensign: Assistant, Vice President Education

Ph.D., ecology, University of North Carolina at Chapel Hill  
M.S., ecology, University of North Carolina at Chapel Hill B.A.,  
Environmental Science, University of North Carolina at  
Wilmington

Dr. John Jackson: Senior Research Scientist Education

Ph.D. Entomology, University of California, Berkeley, CA  
M.S., Zoology, Arizona State University, Tempe, Arizona. B.S.,  
Biology (Honors), University of Notre Dame, Notre Dame, Indiana

Dr. Carol Armstrong, Master Watershed Steward Education

Ph.D., M.A., Clinical Psychology, Wright Institute, Berkeley, CA.  
B.S., Psychology, Vassar College, Poughkeepsie, New York.