

1989

## Science Notes - GREAT Teacher Workshops

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# SCIENCE NOTES

## GREAT Teacher Workshops

Did you know that Iowa law requires water quality issues be taught in seventh and eighth grade science? This is a result of the 1987 Groundwater Protection Act. GREAT (Groundwater Resources & Educational Activities for Teaching) is a program for earth/life/general science in grades 7-9 that was designed to help teachers meet this requirement.

One-day workshops will be held across the state to provide an overview of Iowa's groundwater issues and GREAT materials. The workshops will also provide time to practice using a groundwater model and activities and to plan ways in which to fit them into the existing curriculum. A schedule of the workshops is listed below. (They are also listed in the *Science Calendar*.) In addition, workshops are planned for the spring for Area Education Agencies 1, 2, 11, 13, 14 and 16 and the Des Moines and Davenport school systems.

The workshops are free, including the GREAT notebook of activities and references, a set of posters, a small plexiglass groundwater model and lunch. A reimbursement of \$50 for a substitute teacher may also be issued to teachers of seventh through ninth grade science.

For more information about groundwater education, contact Gail George, DNR Education Specialist, at 1-800-532-1114.

<u>Date</u>	<u>Place</u>	<u>Get Registration Forms From:</u>
Nov. 29	Cylinder	Miriam Patton, AEA 3, Cylinder, IA 50528; (712) 837-4866
Dec. 9	Clarksville	Gloria Fallis, Bremer County Conservation Bd., Box 4412, Tripoli, IA 50676; (319) 882-4742
Dec. 11	Cedar Rapids	(for Cedar Rapids School District only)
Dec. 13	Sioux City	Dawn Snyder, Woodbury County Conservation Board, Courthouse, Sioux City, IA 51101; (712) 279-6488
Jan. 17	Cedar Falls	Carol Haverkamp, Hartman Reserve Nature Center, 657 Reserve Drive, Cedar Falls, IA 50613; (319) 277-2187

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|----------|--------------|---|
| Jan. 18  | Storm Lake   | Donna Smithson, 202 1st Ave. SW,<br>800 Oneida, Suite B, Pocahontas, IA<br>50574; 1-800-362-2183                      |
| Jan. 24  | Sigourney    | Betsy Mitchell, Keokuk County<br>Conservation Bd., 204 S. Stone<br>Sigourney, IA 52591; (515) 622-3757                |
| Jan. 26  | Carroll      | Joe Halbur, Swan Lake State Park,<br>Rt.1,Box 240A, Carroll, IA 51401;<br>(712) 792-4614                              |
| Feb. 6   | Centerville  | Martha Balster, Wayne County<br>Extension, Box 281, Corydon, IA<br>50060; (515) 872-1755                              |
| Feb. 21  | Muscatine    | Julie Ohde, Louisa County Conserva-<br>tion Board, P.O. Box 261, Wapello,<br>IA 52653; (319) 523-8381                 |
| April 18 | Marshalltown | Connie Whaley, Marshall County<br>Extension Service, 3205 South 6th St.,<br>Marshalltown, IA 50158;<br>(515) 752-1551 |

### **Iowa State University Offers "Desert Wilderness" Seminar**

The Environmental Studies Program at Iowa State University will sponsor a "Desert Wilderness" seminar during the spring semester of 1990. Participants will meet one evening per week to study literature, natural and human history and wilderness legislation.

Safe, low-impact hiking techniques (as they pertain to the American southwest desert in general and the Escalante Canyons of Utah in particular) will also be studied as the seminar will culminate in a 15-day expedition. The expedition will be May 20 through June 3 and is suitable for persons in "moderately good physical condition, regardless of age."

A fee of \$511 includes tuition for three semester credits and all lodging and transportation costs. Food and equipment costs will be kept low. Enrollment is limited. Contact Dr. Tom Tanner, 143 Bessey Hall, Iowa State University, Ames, IA 50011, ph. (515) 294-7253 or Mary Vannoy, ph. 1-800-262-3810.