

1972

## 10,000 High School Teachers to Study at NSF Funded Summer Institutes

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### Recommended Citation

(1972) "10,000 High School Teachers to Study at NSF Funded Summer Institutes," *Iowa Science Teachers Journal*: Vol. 9: No. 2, Article 6.

Available at: <https://scholarworks.uni.edu/istj/vol9/iss2/6>

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investigation has been designed to make it possible for every student to succeed.

The teacher who finds himself or herself conducting a science class of educationally uninvolved students may wish to keep several attitudes in mind. The first is Challenge—the challenge to give personal meaning and relevance to the material presented.

Second is Freedom—freedom for the student to make mistakes and explore. Third is Respect—the respect that one person can have for another whom he wishes to help. Respect implies a “can learn” attitude and a little love. Fourth is Warmth—warmth as results from commitment to helping, being accepting, calm and supportive. Fifth is Control—control that comes from being prepared, consistent and firm. The last is Success. A student comes to learn, and therefore it would seem that the teacher’s focus should be upon accomplishment. What the teacher does has more significance than what he says.

An anonymous quote from Wm. W. Purkey’s book, *Self-Concept and School Achievement*, states this idea beautifully:

No printed word nor spoken plea  
can teach young minds what men should be,  
not all the books on all the shelves,  
but what the teachers are themselves.

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### **10,000 High School Teachers To Study at NSF Funded Summer Institutes**

High school teachers will study such subjects as ecology, environmental assessment, the population explosion and the nation’s power needs and its impact on the environment at 1972 summer institutes supported by the National Science Foundation.

To assist schools to improve their effectiveness of instruction in science and mathematics, the Foundation has awarded grants totaling \$13.7 million for Summer Institutes for Secondary School Teachers of science and mathematics. The grants support 274 Summer Institutes that provide

study opportunities for 10,000 high school teachers from throughout the country.

The institutes, to be conducted by 190 colleges and universities, usually last from six to eight weeks. A typical institute enrolls about 40 participants and includes laboratory or field work, lectures, discussion sessions and seminars.

Summer institutes offer instruction in mathematics, biology, chemistry, earth sciences, engineering science, physics, social sciences, general science and selected combinations of these subjects.

A *Directory* listing institutions offering Summer Institutes for Secondary School Teachers and Supervisors

may be obtained by a postcard request. The *Directory* will be mailed early in January. Requests should be addressed to:

Summer Study Program  
Division of Pre-College Education  
in Science

National Science Foundation  
Washington, D.C. 20550  
Telephone: AC 202, 282-7906

Applications by individual teachers and supervisors must be submitted to the various institutes by March 1, 1972, to guarantee consideration. Information and application forms can be obtained from the project directors below, NOT from the National Sci-

ence Foundation. Selection of participants is made by the colleges and universities.

Following are colleges in Iowa offering summer institutes in 1972:

Clarke College, Dubuque 52001; Sr. Mary K. Keller, Dept. of Computer Sciences.  
Drake University, Des Moines 50311; Wayne L. Woodworth, Dept. of Mathematics.  
Drake University, Des Moines 50311; Rodney A. Rogers, Dept. of Biology.  
Iowa State University, Ames 50010; Keith M. Hussey, Dept. of Earth Science.  
The University of Iowa, Iowa City 52240; Robert E. Yager, General Science Program.  
The University of Iowa, Iowa City 52240; J. Richard Wilmeth, Dept. of Sociology.

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### **National Park Service Unveils New Environmental Education Book Series**

New "outside the classroom" environmental lesson books have been developed by the National Park Service for school children across the Nation.

"Adventure in Environment" materials have been developed with financial support from the National Park Foundation, a non-profit, tax-exempt foundation chartered by Congress. The Foundation's purpose is to provide a means for private citizens and organizations to help meet the growing public commitment to conservation and environmental quality.

The lessons were developed cooperatively by the Foundation and the Park Service as part of a project titled National Environmental Education Development (NEED).

"Adventure in Environment" is the

common title of three soft cover books. Two are for pupil use, one of these for the classroom and the other—small enough to slip into a jacket pocket—for outside environments. The third book is a teacher's guide.

The "Adventures in Environment" lessons were conceived as a means of attaining three objectives: (1) greater enjoyment and appreciation of parks; (2) an expanded sense of citizen responsibility for the stewardship of parks; and (3) action to repair and maintain the environment as a whole.

The current series of books is designed for use by middle elementary and some junior high school classes. NEED lessons for other grades are under preparation.

Information on ordering the "Adventures in Environment" publications may be obtained by writing to Silver Burdett Company, Morristown, New Jersey 07960.