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Science Notes - NSTA Adopts Standards for the Preparation and Certification of Secondary School Science Teachers

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SCIENCE NOTES

OUTLOOK for Summer 1985

OUTLOOK, the K-12 environmental education enrichment program developed by and for Iowa teachers will be available through a training program scheduled for summer 1985. A one-week workshop will be conducted during each week in June.

Completion of the week-long program will provide each participant with two hours of graduate credit from the University of Northern Iowa, a set of grade level OUTLOOK materials, a background in the learning cycle upon which the activities are built, and a personalized curriculum implementation plan.

The training programs are being presented through the Iowa Environmental Education Field Station Program at the Iowa Conservation Education Center at Springbrook State Park near Guthrie Center, Iowa. The cost of room, board, instruction and materials is partially defrayed for each participant by stipends of \$150 which are being provided by several sources.

For more detailed information and application forms write to OUTLOOK, % Dr. David McCalley, Department of Biology, University of Northern Iowa, Cedar Falls, IA 50614.

NSTA Adopts Standards for the Preparation and Certification of Secondary School Science Teachers

In July, The NSTA Board of Directors adopted a statement of "Recommended Standards for the Preparation and Certification of Secondary School Teachers of Science." The document was built upon the work of the NSTA teacher education committee, which developed similar statements for the elementary, middle school, and junior high two years ago. Writing and designing of the final document was accomplished by William C. Ritz and Kenneth R. Mechling, NSTA directors of teacher education; Ronald Cleminson, AETS president; and Bettie Sue Tubertini, teacher education committee member.

The standards call for teacher training in content, including a specialization in one of the sciences, as well as significant course work in at least two additional areas of science. Some studies in math, statistics, and computer application to science teaching are also recommended. Other areas where some experience is necessary are teaching methods, field studies, educational research, student teaching, laboratory use and safety practices, and training in classroom management techniques. In addition, specialized standards are listed for biology, chemistry, earth and space science, physics, and general science.

The full text of the statement will appear in the December 1984 issues of *The Science Teacher* and the *Journal of College Science Teaching*. The newly adopted standards are being sent to state departments of science education and other educational associations. The complete document, including recommendations for all levels, K-12, will be reprinted as an NSTA position statement.

— NSTA Report, Oct. 1984