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Science Notes - Secondary Student Training Programs

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SCIENCE NOTES

Secondary Student Training Programs

The University of Iowa is offering three Secondary Student Training Programs (SSTP) in the summer of 1986. The goals of these programs are to supplement the high school curriculum, stimulate student interaction with scientists and educators, facilitate career planning and decision making, provide a smooth transition from high school to college, provide opportunities for enrichment and acceleration in science, and allow students to take an active role in science.

The Research Participation Program, offered for eight weeks and eight semester hours of credit, June 9 - August 1, or for six weeks and six semester hours of credit, June 23 - August 1, will provide students with the opportunity to observe and study in a research laboratory under the supervision of research scientists. Rather than attend classes and lectures, participants will work and study approximately eight hours per day, five days per week in a research laboratory of their interest.

The Course-Centered Research Programs are designed to incorporate creative problem-solving techniques and apply them to the disciplines of biology and physical sciences. These programs are July 7 - August 1 and offer four semester hours of university credit. For approximately half of the course, students will develop research proposals, participate in on-site laboratory visits, learn basic computer skills, be introduced to statistics and the planning and design of experiments, and interact with research scientists. The other half will provide opportunities to explore either the biological or physical sciences in greater depth. The ultimate goal is that each participant have a research project ready for implementation upon completion of the program.

The Yellowstone Environmental Program, offered June 23 - July 25 for six semester hours of credit, is an outdoor field study course designed to utilize the natural environment as the subject for study. The "living laboratory" for the Yellowstone Program is the natural areas of the Badlands, Black Hills, Bighorn and Beartooth Mountain Ranges, Yellowstone National Park, and the Teton National Park. The program emphasizes the awareness of current environmental problems and suggests actions which are deemed important, if not vital, to the future of our planet. In order to facilitate observations and investigations in the "back country," hiking, backpacking, and canoeing are integral aspects of the camp-study program.

Limited funds will be available to provide scholarships. For more information write: Iowa-SSTP, 455 Van Allen Hall, Univ. of Iowa, Iowa City, IA 52242 or call toll free 1-800-272-6412; ext. 4102 (within Iowa) or 1-800-553-6380; ext. 4102 (contiguous states).

— K.L.C.