



Tennessee State University

Summer 2012 COUNT Program July 16 – July 27

Increasing the Awareness of Nuclear Science in High Schools



Tennessee State University's *COUNT* (Content On Understanding Nuclear Training) program is a non-residential two-week collaborative research experience in nuclear physics for high school teachers, guidance counselors, and students.

The primary goals of this program are to increase the awareness of nuclear science among high school physical science teachers, guidance counselors, and students; and to mentor and encourage high school students to major in mathematical sciences (with an emphasis in physics) at Tennessee State University with career aspirations in nuclear science.

The program consists of training in nuclear science, nuclear physics laboratory experiments, and introductory physics for the high school curriculum. *ACT* science and mathematics drills will also be done. The program content will be enhanced with the use of video capture and analysis, concept mapping in problem solving, and the *PhET* Network suite of simulations to enhance learning in the physical sciences.

A stipend may be paid to all participants.

Program Highlights:

- Introductory nuclear science
- ACT- science and mathematics prep
- Hands-on physics learning & experiments
- Mentoring by university students

Application Deadline (**extended**): June 13, 2012

For more information please contact:
Dr. Orville N. Bignall
Department of Physics & Mathematics
3500 John A. Merritt Blvd.
Nashville, TN 37209
(615) 963 - 5870 (office); (615) 963 - 5099 (fax)
obignall@tnstate.edu



SPONSORS:



Title III Administration @ TSU