

OPPORTUNITY FOR STUDENTS AND TEACHERS

THE OAK RIDGE NATIONAL LABORATORY 2010 HIGH SCHOOL SUMMER INSTITUTE FOR MATH, SCIENCE AND TECHNOLOGY Oak Ridge, Tennessee

The Georgia Appalachian Center for Higher Education (GACHE) is pleased to announce our involvement again this year in this summer Institute for *high school* students and teachers (July 10-23, 2010). The ORNL program is a two-week, all expense paid institute for high school students interested in science, math or technology, and teachers of math, science and/or technology.



Twenty-six (26) students and twenty-six (26) teachers from throughout Appalachia will participate in a hands-on learning program that will focus on the application of math and science principles in the world of work. See attached *Criteria for Selection of Appalachian Participants* for specific eligibility requirements.

ORNL is one of the largest U.S. Department of Energy research facilities in the United States. It is devoted to multi-purpose research and development and is located approximately 20 miles northwest of Knoxville, Tennessee, near the Great Smoky Mountains National Park. ORNL is a U.S. Department of Energy facility managed by UT-Battelle. ORISE is managed by Oak Ridge Associated Universities (ORAU). ORAU has a diverse array of complementary, and often unique, science education programs.



The ARC/ORNL Institute is a unique opportunity for students and teachers to work with research scientists on relevant math and scientific topics facing the world in the 21st century. Students and teachers work in teams on research projects during the two-week institute, with each team comprising three to six students or teachers. The team approach provides an opportunity to conduct research activities and solve problems in a group setting.

The summer 2010 participants will be housed at a hotel in Oak Ridge, Tennessee, near ORNL and ORISE facilities. Student participants will be chaperoned 24 hours a day by experienced teachers who have worked with ORNL programs for several years. Participant teachers will not be responsible for chaperoning students.

All major expenses, including meals, lodging, transportation to and from the participant's home base, and local transportation, will be covered for all participants. Teacher participants will receive a stipend.

The participants will spend most days in one of several ORNL research laboratories, but field trips to nearby industries, universities, and museums will illustrate the applications of math and science in the real world and provide participants with opportunities to learn more about Appalachia and some of its unique characteristics.

The application form and other information are on the GACHE Website, www.northgeorgia/gache and must be submitted to the GACHE office no later than **February 15th** to be considered for participation. Please mail or fax your application to the Georgia Appalachian Center for Higher Education (GACHE) at 212 Dunlap Hall, NGCSU, Dahlonega, Georgia 30597 or Fax 706-867-2880. If you have questions, please call 706-864-1995 or email gache@northgeorgia.edu.

Let's make this a "bumper year" for applications from our Georgia Appalachian schools!

Program is dependent upon availability of funding.