



ANNOUNCEMENT

Date: January 9, 2014

Subject: Appalachian Regional Commission/Oak Ridge National Laboratory/Oak Ridge Associated Universities 2014 Middle School Summer Science Academy for students

The Appalachian Regional Commission (ARC) is pleased to announce that it is collaborating with the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL) and Oak Ridge Associated Universities (ORAU) in Oak Ridge, Tennessee, to provide a one-week residential hands-on science academy focusing on math, science, and technology for middle school students from **July 13 to July 18, 2014**.

Twenty-six students from throughout Appalachia will be selected to participate in a hands-on learning program that will focus on the application of math and science principles in the world of work. See *Criteria for Participant Selection* for specific eligibility requirements. (Participating Appalachian states may have additional criteria for selecting participants in their state.)



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. The ORNL facility is managed by UT-Battelle. ORAU, a consortium of major universities, cultivates collaborative partnerships that enhance the scientific research and education enterprise of our nation.



The ARC/ORNL/ORAU Summer Science Academy is a unique opportunity for students to work with research scientists on relevant math and scientific topics facing the world in the 21st century. Students work in teams on research projects during the one-week academy, with each team comprising three to six students. The team approach provides an opportunity to conduct research activities and solve problems in a group setting. Research topics and activities may include such areas as biofuels and alternative energy. Examples of the research and other activities engaged in during previous summer science academies can be seen at:

<http://www.arc.gov/summerSTEM>

The summer 2014 participants will be housed at a hotel in Oak Ridge, Tennessee, near ORNL and ORAU facilities. Students will be chaperoned 24 hours a day by experienced teachers.

All major expenses, including meals, lodging, transportation to and from the participant's home, and local transportation, will be covered for participants.

Participants will tour ORNL research facilities, use a variety of technologies to solve problems in ORAU's learning center, and participate in field trips to nearby industries, universities, and museums. Field trips will illustrate applications of math and science in the real world and provide participants with opportunities to learn more about Appalachia and its unique characteristics.



Applications must be submitted to the ARC State Program Manager of the state in which the participant's school is located on or before **March 7, 2014**. Please contact your ARC State Program Manager before applying. Individual states may have specific requirements and/or application procedures.

A list of all ARC State Program Managers, application forms, and further information is available on the ARC Web site at <http://www.arc.gov/summerSTEM>

Program is dependent upon availability of funding.



**APPALACHIAN REGIONAL COMMISSION/
OAK RIDGE NATIONAL LABORATORY/
OAK RIDGE ASSOCIATED UNIVERSITIES**

2014 MIDDLE SCHOOL SUMMER SCIENCE ACADEMY

Criteria for Participant Selection

The Appalachian Regional Commission (ARC), Oak Ridge National Laboratory (ORNL), and Oak Ridge Associated Universities (ORAU) have established the following criteria for selecting participants for the Middle School Summer Science Academy. Appalachian states have the flexibility to add criteria, provided they do not conflict with those given below.

MANDATORY REQUIREMENTS:

- Student participants must be between 12 and 14 years old on July 13, 2014.
- All participants must be U.S. citizens. (Required to obtain necessary security clearance to enter ORNL facilities.)
- Student participants must attend a public school in a designated Appalachian county (<http://www.arc.gov/counties>) and plan to enroll in a public school in an Appalachian county for the 2014-2015 school year.
- Children of employees of Oak Ridge National Laboratory and Oak Ridge Associated Universities are not eligible to participate.

OTHER CONSIDERATIONS:

- Target Schools/Counties. States are encouraged to select participants from economically distressed counties and economically distressed areas.
- Schools Represented. States are encouraged to nominate two participants plus two or three additional students from the same school as “alternates.” Selecting students from the same school facilitates travel arrangements and enhances the experience; alternates are selected when one of the participant nominees is unable to attend or there are other openings.
- Participation in Other Programs. Students who have not had an opportunity to participate in previous Oak Ridge or similar math and science programs will be given priority.
- Family Income. ARC has not established income levels for participation. However, ARC requests that recruitment focus on those students whose families do not have the financial means to send them to such a program.
- Academic Requirements. ARC has not established academic requirements for participation. However, ARC requests that recruitment focus on “middle-tier” students – students who show potential in math and/or science and are not currently taking higher-level classes, but may consider taking such classes with additional encouragement. Priority is given to students who would be first-generation college-going. There is no minimum grade point average required for participation.

For further program information, please contact Jeffrey H. Schwartz, Ed.D., Education Program Manager, Appalachian Regional Commission, 1666 Connecticut Avenue, NW, Suite 700, Washington, DC 20009-1068; telephone 202-884-7721; e-mail jschwartz@arc.gov

All applications are to be *submitted to the ARC State Program Manager* of the state in which the participant’s school is located on or before **March 7, 2014**. Faxed copies of application materials are acceptable if all information is legible. Prior to applying, contact your ARC State Program Manager for the specific application procedures for your state.

A list of all ARC State Program Mangers, application forms, and further information is available on the ARC Web site at <http://www.arc.gov/summerSTEM>

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OAK RIDGE NATIONAL LABORATORY/
OAK RIDGE ASSOCIATED UNIVERSITIES**

**2014 MIDDLE SCHOOL SUMMER SCIENCE ACADEMY
July 13-18, 2014, Oak Ridge, Tennessee**

PLEASE PRINT ALL INFORMATION USING BLACK OR DARK BLUE INK.

Name _____ Male _____ Female _____
Last First FULL Middle Name
 (or use NMN if no middle name)

Social Security Number _____ U.S. Citizen* _____
Yes No

***Note: U.S. Citizenship
required to enter
ORNL facilities.**

Date of Birth* _____
Month Day Year

***NOTE: All participants must be between the ages of 12
and 14 on July 13, 2014, to participate.**

School Name _____

School County _____

School Address _____
Street City State Zip Code

School Telephone Number _____ School Fax Number _____
Area Code & Number Area Code & Number

Home Address _____
Street City State Zip Code

Home Telephone Number _____ Applicant's Cell Phone Number _____
Area Code & Number Area Code & Number

Preferred E-Mail Address _____
(please print clearly)

Alternate E-Mail Address _____
(please print clearly)

T-shirt size (circle one): S M L XL XXL XXXL (adult sizes)

PARENT OR GUARDIAN OF STUDENT APPLICANTS – PLEASE READ AND SIGN THE FOLLOWING:

_____ *has my permission to submit this application and, if selected, to participate in the Appalachian Regional Commission/Oak Ridge National Laboratory/Oak Ridge Associated Universities 2014 Middle School Summer Science Academy to be held July 13 – July 18, 2014, in Oak Ridge, Tennessee.*

_____ *Printed Name of Parent or Guardian* _____ *Signature of Parent or Guardian*

Home Phone Number _____ *Work Phone Number* _____

Parent/Guardian's Cell Phone Number: _____ *Date* _____

Parent/Guardian's E-mail Address: _____
(please print clearly)

_____ *Signature of Applicant* _____ *Date*

MIDDLE SCHOOL SUMMER SCIENCE ACADEMY

Name _____
Last First FULL Middle Name
(or NMN if no middle name)

Current School Grade* _____ ***Note: Planned attendance in a public school in a designated Appalachian county during school-year 2014-2015 required.**

Parent/Guardian 1 Name _____ Address _____
Street City, State Zip Code

Parent/Guardian 2 Name _____ Address _____
Street City, State Zip Code

Have you participated in a hands-on math or science camp on a previous occasion?* _____
Yes No

***Note: Applicants who have not previously participated in a math/science academy will receive priority.**

If your answer to the above question is yes, please complete the following:

- Name of camp you attended: _____
- Where was the camp held? _____
- When did you attend? _____
- Name of organization sponsoring the camp: _____
- Were you nominated to attend? _____; By whom? _____
Yes No

Are you planning to attend college or other post-secondary school? _____
Yes No Not sure yet

Did either of your parents attend college or university? _____
(Check "yes" if they attended, whether or not they graduated.) Yes No

If you have older brothers or sisters, have any of them attended college or university? _____
Not Applicable Yes No

Does your school have Internet access? _____
Yes No

Do you have Internet access at home? _____
Yes No

TEACHER, SCHOOL COUNSELOR, OR SCHOOL ADMINISTRATOR OF APPLICANTS, PLEASE READ AND SIGN THE FOLLOWING:

_____ is able to follow directions and work in a team, and will likely benefit by participating in the Appalachian Regional Commission/Oak Ridge National Laboratory/Oak Ridge Associated Universities 2014 Middle School Summer Science Academy.

Signature of School Official

Date

Printed Name and Title

You may attach a letter of reference if desired.