

THE APPALACHIAN REGIONAL COMMISSION AND THE OAK RIDGE NATIONAL LABORATORY INVITE YOU TO SPEND A STEM SUMMER AT THE

# ARC/ORNL 2018 Summer STEM Programs!



## What are the ARC/ORNL Summer STEM Programs?

The ARC/ORNL Summer STEM Programs are a **unique summer residential learning opportunity for Appalachia's high school and middle school students, as well as high school teachers, focusing on STEM** (science, technology, engineering, and math) disciplines. At the ARC/ORNL Summer STEM Programs, high school and middle school students participate in intensive hands-on science, math, and computer science technology group research projects with award-winning scientists. High school teachers work with science practitioners to develop STEM-related curriculum. The programs culminate in a graduation ceremony showcasing participants' work. Now in their 29th year, the programs are often the first major exposure participating students—many of whom are from Appalachia's most economically distressed counties—have to applied science and STEM education. The programs include lab time and visits to nearby industries, universities, and museums to experience real-world applications of science, math, and technology.

## Who Can Apply?

Appalachian high school and middle school students, and high school teachers in STEM-related fields, can apply for the programs. Up to 26 students and 26 teachers will be accepted (dependent on available funding). Application materials, participation criteria, and other materials are available at [www.arc.gov/summerSTEM](http://www.arc.gov/summerSTEM). Applications must be submitted to your Appalachian Regional Commission State Program Manager. **Applications are due no later than March 16, 2018.** Interested applicants should contact their ARC State Program Managers as soon as possible as individual states may have specific requirements, application procedures, or earlier deadlines.

“This opportunity has been life-changing.  
We have learned so much!” – Joseph C., student

## WHERE?

Oak Ridge Associated Universities (ORAU)  
Oak Ridge, Tennessee

## WHEN?

**Two-week program for high school students and teachers: JULY 7–20, 2018**

**One-week program for middle school students: JULY 15–20, 2018**

The program for high school teachers and students is two weeks. The program for middle-school students is one week.

## WHAT'S INCLUDED?

Students receive transportation to attend the programs and full room and board, as well as all expenses related to lab work and field trips. Teachers receive the same package, plus a \$1,000 stipend. Teachers and staff are housed separately at ORAU facilities or a nearby hotel. Student housing will be fully supervised around the clock by program staff.





## Who Sponsors the ARC/ORNL Summer STEM Programs?

The ARC/ORNL Summer Programs are supported by the Appalachian Regional Commission (ARC), the U.S. Department of Energy's Oak Ridge National Laboratory (ORNL), and the Oak Ridge Associated Universities (ORAU) in Oak Ridge, Tennessee. Participant expenses are covered through this partnership.

### Appalachian Regional Commission (ARC)

The Appalachian Regional Commission ([www.arc.gov](http://www.arc.gov)) is an economic development agency of the federal government and 13 state governments focusing on 420 counties across the Appalachian Region. ARC's mission is to innovate, partner, and invest to build community capacity and strengthen economic growth in Appalachia to help the Region achieve socioeconomic parity with the nation.

### Oak Ridge National Laboratory (ORNL)

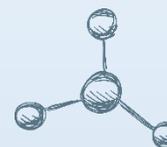
ORNL is one of the largest U.S. Department of Energy research facilities in the United States. It is devoted to multi-purpose research and development and is located approximately 20 miles northwest of Knoxville, Tennessee, near the Great Smoky Mountains National Park. The ORNL facility is managed by UT-Battelle.

### Oak Ridge Associated Universities (ORAU)

ORAU provides innovative scientific and technical solutions to advance national priorities in science, education, security, and health. Through specialized teams of experts, unique laboratory capabilities and access to a consortium of more than 100 major Ph.D.-granting institutions, ORAU works with federal, state, local, and commercial customers to advance national priorities and serve the public interest. A 501(c)(3) nonprofit corporation and federal contractor, ORAU manages the Oak Ridge Institute for Science and Education (ORISE) for the U.S. Department of Energy (DOE).

“These two weeks have been outstanding! Our careers in STEM will be enriched by this experience.”

– Lydia C., student



“This program has changed the way I will approach science teaching in my classroom.”

– Stephanie K., teacher

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