

ARC/ORNL 2020 Summer STEM Program

WHAT IS THE PROGRAM?



- ▶ **Residential learning opportunity for Appalachian students and teachers focusing on STEM** (science, technology, engineering, and math) disciplines
- ▶ High school and middle school students participate in 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
- ▶ Participants showcase their work in a graduation ceremony

WHERE & WHEN?



- ▶ Oak Ridge Associated Universities (ORAU) in Oak Ridge, Tennessee
- ▶ **Two-week program for high school students and teachers: July 5–17, 2020**
- ▶ **One-week program for middle school students: July 11–17, 2020**
- ▶ Programs include lab time at Oak Ridge National Laboratory, one of the largest U.S. Department of Energy research facilities in the United States

WHO CAN APPLY?



- ▶ **Appalachian high school and middle school students, and high school teachers in STEM-related fields**
- ▶ **Up to 52 high school participants** (26 students and 26 teachers) **and 26 middle school students will be accepted** (dependent on available funding)
- ▶ Students receive transportation to attend the programs and full room and board, as well as all expenses related to lab work and field trips. Their housing is supervised by program staff.
- ▶ Teachers receive the same package, plus a \$1,000 stipend. They, along with program staff, are housed separately from students at ORAU facilities or a nearby hotel.

HOW TO APPLY?



- ▶ Application materials, participation criteria, and other materials are available at www.arc.gov/summerSTEM
- ▶ Apply online: www.arc.gov/summerSTEM
- ▶ **Applications are due no later than March 6, 2020**





WHO SPONSORS THE PROGRAM?

Appalachian Regional Commission (ARC)

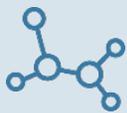
The Appalachian Regional Commission (www.arc.gov) is an economic development agency of the federal government and 13 state governments focusing on 420 counties across the Appalachian Region. ARC's mission is to innovate, partner, and invest to build community capacity and strengthen economic growth in 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).



“The best research-related experience I have ever had. I wish everyone had a chance to experience this.”

–Wade W., student



“The research and historical aspects of the program are beyond compare. We had access to a laboratory that is a once in a lifetime chance for high school teachers.”

–James K., teacher



“People deserve the go above and beyond what they think they are capable of and this program helped me to realize that.”

–Katryna W., student

