

NUCLEAR SCIENCE WEEK



ROADMAP

TO A SUCCESSFUL
CAREER IN NUCLEAR



Celebrating
Nuclear Science Week
OCTOBER 17-21, 2016

Explore the Roadmap of a Career in Nuclear



Education Days
Information



STEM Career
Connections®



Site Visit Days



Annual Edward
Teller Lecture &
Banquet



Educator Activities
Throughout the
Year



Community
Activities
Throughout the
Year



Local High-Tech
Training
Opportunities

Come Explore **Nuclear Science!**

Nuclear Science Week is a national, broadly observed week-long celebration that focuses on all aspects of nuclear science. Events during this week will provide many learning opportunities about contributions, innovation and careers that can be found by exploring nuclear science.

SEE **POSTER** CELEBRATING 2016 NUCLEAR SCIENCE WEEK CAREER FOCUS

VIEW **FLYER** ON 2016 NUCLEAR SCIENCE WEEK REGIONAL EVENTS

SRS Community Reuse Organization and its affiliated Nuclear Workforce Initiative are collaborating with local organizations to conduct activities designed to encourage and bring awareness of nuclear technology and the many careers available within nuclear technology and other high-tech industries.



Education Days



Monday - Friday
October 17, 18, 18, 20, 21, 2016

Where:

Ruth Patrick Science Education Center (RPSEC), University of South Carolina Aiken
Aiken, SC

Who:

For Middle & High School Students Program

Focus:

Journey to the Center of the Atom (Featuring the Interactive Nucleus), Chemical Matters and Probing the Periodic Table

How:

Teachers can make arrangements for class participation through <http://rpsec.usca.edu>

Wednesday
October 19, 2016

Where:

Augusta University – Summerville Campus
Augusta, GA



Who:

For High School Students and Teachers Program

Focus:

Journey to the Center of the Atom, Fundamentals of Nuclear Fuel and Going Nuclear at Augusta University

How:

Registration required. For more information, contact Debbie Conley, 706-729-2260 or deconley@augusta.edu



Tuesday

October 15, 2019

Where:

Augusta University – Summerville Campus (Science Hall Patio) – Augusta, GA 11:00 am – 1:00 pm

Who:

Hosted by the Society of Nuclear Scholars

What:

Outdoor campus booth with interactive and educational information that aim to educate and engage students about nuclear science. Learn about the expansive, challenging, and indispensable workforce within the world of nuclear science and how expedient and enriching nuclear science is in our everyday lives.

How:

For more information contact JoyAnne Jernigan, JJERNIGAN@augusta.edu

Thursday

October 20, 2016

Where:

Kroc Center – 1833 Broad Street, Augusta, GA Hosted by SRS Community Reuse Organization

Who:

For regional high school junior and senior students considering a career pathway that involves



STEM Career Connections Day



science, technology, engineering and math (STEM) skills

Program Focus:

Learn about the future local career opportunities and interact with professionals in high-tech industries to include nuclear technology, information technology, cyber security, advanced manufacturing and more.

How:

Registration required (limited space) and coordinated through educators – For more information and details, contact Kim Saxon at kim.saxon@srsacro.org

Our Sponsors

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IN-KIND:

Bright & Bold Entertainment | Halocarbon Products Corporation | Rural Sourcing, Inc. | Security Onion Solutions

Monday - Friday

October 17, 18, 19, 20, 21, 2016



Site Visit Days



Where:

Southern Nuclear Company – Plant Vogtle Visitor Center, 7821 River Road, Waynesboro, GA

Who:

For students and teachers

How:

For more information, contact Joel Leopard at jaleopar@southernco.com or 706-848-3630 to schedule a visit to Southern Nuclear's Plant Vogtle (located south of Augusta, GA)

Tuesday, Wednesday, Thursday, Friday October 18, 19, 20, 21, 2016

Where:

SCANA – VC Summer Nuclear Station 100 Bradham Blvd, Jenkinsville, SC

Who:

For students & teachers Tour Focus – AP 1000 nuclear construction site

What:

Students will experience a “day in the life” of a nuclear worker with a focus on careers

How:

Registration required (space is limited) – For more information, contact Erica Knight at erica.knight@scana.com or 803-931-5436

Wednesday October 19, 2016

Where:

Savannah River Site (SRS) – Aiken, SC

Who:

For CSRA middle and high school science/math teachers Tour Focus – Science application at SRS

How:

Registration required (space is limited) – Middle and high school principals should contact Kim Mitchell at kimberly.mitchell@srs.gov or 803-952-8782 to register a teacher for the tour.



Annual Edward Teller Lecture and Banquet

Annual Edward Teller Lecture and Banquet

Wednesday, October 19, 2016

Location:

USCA Convocation Center, 75 Robert M Bell Pkwy, Aiken, SC The Citizens for Nuclear Technology Awareness (CNTA) will hold their **25th Annual Edward Teller Lecture and Banquet** to coincide with Nuclear Science Week.

Keynote Speaker:

Sig Hecker Professor (Research) of Management Science and Engineering and Senior Fellow at the Freeman Spogli Institute of International Studies; former Director of Los Alamos National Laboratory and internationally known scientist on nuclear weapons policy and nonproliferation. For details contact CNTA at cnta@bellsouth.net or 803-649-3456

Savannah River Site Education Outreach Programs

The United States Department of Energy Savannah River Operations Office (DOE-SR) provides a variety of science and literacy outreach programs at the Savannah River Site (SRS) by funding and coordinating the efforts of several organizations. These organizations include the Savannah River Ecology Laboratory (SREL), Natural Resources Management and Research Institute, and Savannah



Educator Activities Throughout the Year



River Nuclear Solutions, LLC (SRNS). The primary goals of these outreach programs are to enhance interest in science, mathematics, engineering and technology and to support improvements in education in the Central Savannah River Area by using the unique resources available at the Site. We believe business, industry, government and the education community must work together as partners to improve the educational opportunities for all students in our region. To learn more about the many programs offered: <http://www.srs.gov/general/outreach/edoutrch/index.htm>

Ruth Patrick Science Education Center

The Ruth Patrick Science Education Center is a cooperative effort between the University of South Carolina Aiken, business, industry, and schools in the Central Savannah River Area. Its programs challenge the present and inspire the future to effect systemic change in science and mathematics education. Its hands-on approach to teaching is designed to help people experience the beauty, the order, and the power of science and mathematics, as well as the interest and fun of discovery. Programs are available for students, teachers and the community. Learn more at <http://rpsec.usca.edu/>

Bringing Nuclear into the Classroom

This workshop for middle and high school teachers was jointly developed and is implemented by the Citizens for Nuclear Technology Awareness (CNTA) and the local section of the American Nuclear Society (ANS-SR). The workshop includes hands-on styled presentations that demonstrate the fundamentals and benefits of nuclear technology and energy applications. Workshops are presented several times each year. For more information contact CNTA@bellsouth.net.

Teaching Radiation, Energy and Technology (TREAT)

The goal of this workshop is to provide education, training, and experimental opportunities for Central Savannah River Area school teachers. The focus is on training and involvement of participants in learning about environmental radiation. The workshop includes classroom lectures and laboratory hands on exercises. Participants develop activities and study units for utilization in their class rooms. For more information, please contact de'Lisa Carrico, DOE Environmental Justice Program Manager, at d.carrico@srs.gov or (803) 952-8607



Community
Activities
Throughout the
Year

Savannah River Site (SRS) Museum

224 Laurens St. S.W. in Aiken, SC

The museum goals are to commemorate the achievements that helped win the Cold War, recognize the sacrifices of people displaced by the Site, excite young people about science and technology and boost the economy through heritage tourism.

Click [here](#) for a video of the ribbon cutting ceremony of the new SRS Museum at the former Dibble Library in Aiken, South Carolina. For more information, visit their website at <http://www.srsheritage.org/>

Savannah River Site Public Tour Program

In 2016, Savannah River Nuclear Solutions, LLC will once again offer a limited number of Savannah River Site (SRS) tours for the general public. Site tours provide an opportunity for those interested in SRS to better understand the Department of Energy's facilities and workers that changed the face of Aiken, Barnwell and Allendale Counties, nearby cities and helped win the Cold War. Guests will also learn about facilities supporting future missions of the Savannah River Site.

For more information visit <http://www.srs.gov/general/tour/public.htm>

Plant Vogtle Visitor Center

7821 River Road, Waynesboro, Georgia

The Alvin W. Vogtle Electric Generating Plant near Waynesboro, Ga., is one of the state's two nuclear energy electricity-generating facilities. Like its predecessor, the Edwin I. Hatch Nuclear Plant near Baxley, Ga., Plant Vogtle is jointly owned by Georgia Power, Oglethorpe Power Corporation, the Municipal Electric Authority of Georgia and Dalton Utilities. The plant is named for Alvin W. Vogtle Jr., the chief executive officer of Southern Company, Georgia Power's parent firm, from 1969 through 1983.

Georgia Power began planning Plant Vogtle in 1971. Unit 1 began commercial operation in 1987, and Unit 2 began commercial operation in 1989. The plant's 3,100-acre site along the Savannah River became the largest construction project ever undertaken in Georgia. At the peak of construction, more than 14,000 people worked to build the two electric generating units at Plant Vogtle.

Plant Vogtle's massive containment buildings – with their four-foot-thick concrete walls – house, below ground level, two 355-ton reactor vessels on huge concrete slabs. The twin cooling towers, large structures that stand 548 feet above the surrounding landscape, release non-radioactive water vapor as part of the power plant's cooling process.

Like other electric generating plants, Plant Vogtle has large turbines and generators, a control room, a chemistry lab and a high-voltage switchyard. Plant Vogtle sends millions of kilowatts of electricity to destinations all across the region, providing enough energy to power approximately 600,000 homes, and we expect this number to increase.

Features educational exhibits and displays on the production of nuclear power. For more information call 706-554-9407.



Local High-Tech Training Opportunities

Training Opportunities

Science, Technology, Engineering and Mathematics (STEM) skills are important building blocks that help students expand their education and career opportunities. Creative resources are available to students, teachers and parents to promote STEM skill development and understand nuclear technology through activities that encourage exploration and involvement.

Visit the link below to learn about all the local high-tech training opportunities available:

www.phoenixprintinggroup.com/client/SRSCRO/nuclear-careers/

***For more information about
Nuclear Science Week,***

contact Mindy Mets, Director of Regional Workforce Programs
at mindy.mets@srsco.org or Kim Saxon, Assistant Coordinator,
at kim.saxon@srsco.org



"Growing Our Own Through Collaboration."®