



Blue Grass Chemical Agent-Destruction Pilot Plant

FOR MORE INFORMATION CONTACT:

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A Partnership for Safe Chemical Weapons Destruction



www.peocwa.army.mil

Blue Grass Education Outreach Program

What you should know about chemical weapons destruction

The Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP) is a state-of-the-art facility located at the Blue Grass Army Depot south of Richmond, Kentucky. This facility will safely destroy the 523 tons of chemical agent in rockets and artillery projectiles stockpiled at the depot since the 1940s.

One of the cornerstones of the BGCAPP project is its commitment to engage and partner with communities to promote respect, trust and cooperation.

What we can offer your school

BGCAPP employs scientists and engineers who are working with advanced technologies and complex systems. This wealth of knowledge fuels the Education Outreach Program as we offer authentic, hands-on opportunities for students to experience real-life applications of science, technology, engineering, mathematics and social studies content.

Our education outreach specialist is a certified teacher who facilitates lessons and activities that help today's students develop understanding and skills to equip them to be tomorrow's leaders.



For Teachers

Students from primary school through high school have the opportunity to learn about the project through presentations given by the BGCAPP education outreach specialist. In the classroom, they will hear about a variety of topics, including history of the Blue Grass Army Depot, the Blue Grass chemical stockpile destruction project and the technology behind it.

Our presentations have learning objectives that correlate with the Next Generation Science Standards, Common Core and College Career Readiness Standards for Mathematics and Reading and the Practical Living/Vocational Studies in Kentucky's Program of Studies for grades primary through 12. The BGCAPP Education Outreach Program will help students develop the ability to apply core concepts and principles in to real-life experiences.



Presentation focal points

- **The History of Chemical Warfare** - This presentation focuses on the change in technology over time that led to the development of chemical weapons. The cause and effect relationship is extended to include the influence of chemical warfare on our community today. (Elementary, Middle, High School)
- **Robotics at BGCAPP** - This presentation demonstrates the use of robots in the chemical weapons demilitarization process. (Elementary, Middle, High School)
- **Finding Solutions** - This presentation takes a closer look at the role of engineers and scientists at BGCAPP and how they found solutions to safely destroy our countries remaining chemical weapons stockpile. (Elementary, Middle, High School)
- **Sustainable Development** - This presentation is designed to demonstrate how differences in population and resource use in five regions of the world combine to impact the quality of life for the people who live in each area. We'll explore a variety of issues to heighten students' global perspective and highlight the global responsibility evident in BGCAPP's design and construction. (Middle and High School)
- **Science of Neutralization** - This presentation outlines the destruction process of the chemical munitions, including a breakdown of the molecular make-up of the chemical agents. (Middle and High School)

Contact

To discuss ways our project can work with you, please call Siobhan Adkins at the Blue Grass Chemical Stockpile Outreach Office at (859) 626-8944 or email siobhan.adkins@iem.com.