Welcome to the Army Educational Outreach Program (AEOP). The United States Army has long recognized that a scientifically and technologically literate citizenry is our nation's best hope for a secure, rewarding and successful future. For over 50 years, the Army has supported a wide range of educational opportunities in science, technology, engineering and mathematics (STEM) for our youth and their teachers.

Our nation's economy has greatly benefited from the technological achievements of the last century and is destined for greater achievements throughout the 21st century. STEM will continue to play a dominant role in all aspects of everyday life in the 21st century. For this reason, the Army has created the AEOP, which greatly expands and integrates an array of Army educational opportunities for the future generations of America's workforce and their teachers.

The AEOP is comprised of Army-sponsored research, education, competitions, internships and practical experiences designed to engage and guide students and teachers in STEM. From elementary school through graduate school, students of all proficiency levels, interests, and ethnic, economic and academic backgrounds are encouraged to participate in real world experiences involving these important disciplines. Programs involve interactive activities and knowledgeable mentors to introduce students to these areas. Events include school visits, neighborhood activities and community science fairs. Scientist, technology experts, engineers and mathematicians, who act as mentors and guides, introduce students to various levels of research and engineering and provide advice on career opportunities and training.

In AEOP, high-school students can choose from a wide range of educational challenges such as the Junior Science and Humanities Symposium. For those in grades 6-9 who prefer cyberspace, eCYBERMISSION is a web-based science, technology, and mathematics competition with significant monetary awards for small teams of students who are interested in challenges that are relevant and linked to their community. Gains in Education of Mathematics & Science (GEMS), Science & Engineering Apprentice Program (SEAP), Uninitiates Introduction to Engineering (UNITE), Internships Science & Engineering Program (ISEP) and Research & Engineering Apprentice Program (REAP) provide hands-on internships to pre-college students. STEM-Learning Modules enables students and teachers from middle to high school to experience science through the process of self-discovery. AEOP programs are also available for college, undergraduate and graduate students that include extensive scholarship opportunities.

The Army invites parents, students and teachers in communities across America to become familiar with AEOP. Taking advantage of its numerous educational opportunities available in STEM will ensure that America will continue to maintain its technological leadership in a globally competitive world. For additional information, applications and deadlines, visit www.usaeop.com.

Army Educational Outreach Program

Kindergarten thru Middle School Programs

- **Mobile Discovery Center**
  Takes science on the road with its Mobile Discovery Centers. Housed in 18-wheelers, the mobile centers travel across the country, presenting programs designed to show young people that studying science and math is fun as well as essential to their future.

- **Junior Solar Sprint (JSS)**
  Students explore scientific concepts and technologies that can help address issues of global climate change, reduce air and water pollution, and reduce dependence on foreign sources of fuel. This engaging, creative project focuses on the design, construction and racing of model solar electric cars.

- **eCYBERMISSION**
  Web-based science, mathematics and technology competition for student's 6th to 9th grade that promotes self-discovery and enable all students to recognize the real-life applications of science, math and technology. Teams propose a solution to a real problem in their communities and compete for regional and national awards.

High School Programs

- **Gains in the Education of Mathematics & Science (GEMS)**
  Students in 7th to 12th grade get an opportunity to participate in an internship for one to four weeks in an Army laboratory and learn technical skills. Advanced courses in subsequent years build upon prior experience.

- **Uninitiates Introduction to Engineering (UNITE)**
  Promotes careers in engineering and technology by providing disadvantaged high school students with the opportunity to participate in a college-structured academic enrichment programs, with courses in chemistry, physics, algebra and calculus.

- **Science & Engineering Apprentice Program (SEAP)**
  A cooperative education (work/study) program for high school students looking at a possible career in science and engineering. The program offers hands-on experience and mentoring in Army research and development activities in an actual Army laboratory.

- **Research & Engineering Apprentice Program (REAP)**
  A cooperative education (work/study) program for high school students looking at a possible career in science and engineering. The program offers hands-on experience and mentoring in Army research and development activities with Army partners at University laboratories.

- **International Science & Engineering Fair (INTEL-ISEF)**
  International science competition that helps students gain the skills necessary to compete in our global economy.

- **Internships Science & Engineering Program (ISEP)**
  Students assist the Construction Engineering Research Laboratory (CERL) researchers on projects during the summer prior to senior year in high school. All students are required to give a formal presentation of their research.

- **Junior Science & Humanities Symposium (JSHS)**
  Annual high school competition that develops students oral presentation skills and emphasizes the ethical conduct of original research.

College Career Development Programs

- **Women in Science Project (WISP)**
  Created at Dartmouth College to encourage interested women to stay in mathematics, science, and engineering.

- **Science & Engineering Apprentice Program-College Qualified Leaders (SEAP-CQL)**
  Paid internships for undergraduates seeking experience in Army research.

- **Career Related Experience in Science & Technology (CREST)**
  College program to develop student engineers & scientists as future leaders by providing summer and/or part-time employment (to include employment during school breaks), followed by an opportunity for an engineer or scientist position in the Army Intern Program. Working with an Army sponsor, your CREST program experience is tailored to your academic schedule and interests.

- **Consortium Research Fellows Program (CRFP)**
  Places graduate students as research fellows in Army laboratories, also providing junior and senior undergraduate students the opportunity to work as research assistants.

- **Science, Mathematics and Research for Transformation Defense Scholarship for Service Program (SMART)**
  Scholarships for undergraduate, masters, and doctoral students who have interest in Science, Technology, Engineering & Mathematics (STEM) fields.

For additional information, applications and deadlines, visit

www.USAEOP.com