



Army Education Program Overviews

The following represent the education and training programs available to students and Soldiers. This and more information can be found on www.armyedspace.com.

ARMY EDUCATIONAL OUTREACH PROGRAM (AEOP)

The Army Educational Outreach Program consists of multiple programs to engage students and teachers in Army-sponsored research, education, competitions, internships and unique practical experiences to stimulate the science, technology, engineering and mathematics fields.

ARMY JUNIOR RESERVE OFFICERS' TRAINING CORPS (JROTC)

JROTC prepares high school students for leadership roles while promoting graduation from high school. JROTC helps advance the educational and employment opportunities for today's youth by fostering education at the high school level. Many of the Army Education Programs you will find on ArmyEdSpace.com are part of the JROTC curriculum.

ARMY MOTORSPORTS EDUCATION OUTREACH

Through the Army's Motorsports Education Outreach Program, thousands of students from area high schools, vo-tech schools and community colleges are exposed to motorsports and have the opportunity to experience a day at the races at no cost. During students' visit to the track they interact with industry insiders such as NASCAR drivers, race team members and automotive engineers as well as Army recruiters and drill sergeants. The content of the program focuses on the importance of education and staying in school. Army's goal is to educate students about career planning and the importance of setting goals as well as inform students about career opportunities in motorsports and the Army.

BASIC SKILLS EDUCATION PROGRAM

The Basic Skills Education Program provides Soldiers job-related instruction to improve basic educational competencies necessary for job proficiency, skill qualification, advanced schooling and career progression. The Basic Skills program focuses on reading and math skills Soldiers need on the job; reclassification purposes; and preparation for lifelong learning.

BOOST

The Boost campaign is intended to help support and encourage the nearly 7,000 kids a day who drop out of high school. Research shows that the decision to drop out doesn't happen overnight. The campaign features stories of real teens from across the country who are struggling to make it through high school, while also encouraging teens and parents to give these kids a "boost" to help them stay in school and graduate.

CHALLENGE BOWL

The College Options team has developed a series of practical and easy to use resources designed to excite students about learning and encourage them to pursue their educational goals. It includes a unique software program that allows students to compete in academic competitions from their own schools or homes against students from around the world.

CLASSROOM PERFORMANCE SYSTEM (EINSTRUCTION)

eInstruction allows educators to obtain immediate feedback from every student using an infrared response system. It offers educators a family of software, student response systems, interactive boards, wireless slates and panels that integrate with high-quality content, aligned to state standards. These solutions have been proven to increase student engagement while providing real-time feedback to educators to assess comprehension and customize lessons.

CONCURRENT ADMISSIONS PROGRAM (CONAP)

The Concurrent Admissions Program aims to build partnerships between Army recruiters and local colleges by helping encourage Soldiers to continue education during and after their enlistment. The goal of this program is to increase the number of Army Soldiers, veterans and reservists enrolled in college and using Montgomery GI Bill (MGIB) education benefits and also to increase access to higher education.

CONSORTIUM OF UNIVERSITIES OF THE WASHINGTON METROPOLITAN AREA (CUWMA)

This program places graduate students as Consortium research fellows in Army laboratories, also providing junior and senior undergraduate students the opportunity to work as Consortium research assistants.

CONSORTIUM RESEARCH FELLOWS PROGRAM

The Consortium Research Fellows Program places graduate students as Consortium research fellows in Army laboratories, also providing junior and senior undergraduate students the opportunity to work as Consortium research assistants.

CREDENTIALING OPPORTUNITIES ON-LINE (COOL)

Credentialing Opportunities On-Line explains how Army Soldiers can meet civilian certification and licensure requirements related to their military occupation specialties (MOSs). It provides the results of detailed gap analyses comparing military training to civilian credentialing requirements and can be used to help Soldiers learn about resources available that can help them gain civilian job credentials and fill the gaps between Army training and experience and civilian credentialing requirements.

DISCOVERY ACADEMY

The Discovery Academy is a three-week-long program that uses a thematic, interdisciplinary approach to learning and remediation through content- and technology-rich curriculum. This program was created to satisfy the mandates of No Child Left Behind legislation.

ECYBERMISSION

This Web-based science, math and technology competition for students in grades six through nine promotes self-discovery and enables 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.

EDUCATOR TOUR PROGRAM

The U.S. Army provides tours of Army installations to educators to improve their knowledge of Army education and training opportunities. Educators tour Army installations to gain first-hand knowledge of Army service through briefings and discussions of current and future Army programs. Participants have the opportunity to observe basic training and advanced individual training while visiting with Soldiers.

FAST TRACK SCIENCE SERIES

Fast Track Science Series is a week-long summer camp focusing on the technological applications to racing. Students going into grades four and five and six through eight learn and explore math and science while manipulating and racing remote control cars. Students analyze data to make fast cars even faster and participate in team-based driving challenges that demand the real processes of science while using real applications of math.

FINANCING COLLEGE AND ADMISSIONS

The Complete Guide to College Financing and Admissions is a revolutionary nine-hour DVD program that provides everything students need to know to navigate the complex college admissions and financing process in a single resource. Users are linked to hundreds of Web sites that bring to life the advice of counselors and administrators to save thousands of dollars in college costs and get into a college that is right for them.

FORUM FOR DEMOCRACY

Forum for Democracy engages participants in debates on constitutional and contemporary issues. The program offers undergraduate credit for students 16 and up and graduate credit to instructors. Three manuals including "Chief Justice," "Sovereign Citizen" and "Head of State" are integrated with an interactive Web site that allows students to upload videos of themselves participating in the program and service learning projects within their communities.

GAINS IN THE EDUCATION OF MATHEMATICS AND SCIENCE (GEMS)

Gains in the Education of Mathematics and Science (GEMS) is a one- to four-week program that allows students an opportunity to participate in a paid internship over the summer in an Army Laboratory learning the real life application of science, technology, engineering and mathematics.

GOARMYED.COM

GoArmyEd.com is the virtual gateway for Soldiers on Active Duty to request Tuition Assistance (TA) online for classroom, distance learning and eArmyU online college courses.

HIGH SCHOOL FINANCIAL PLANNING PROGRAM, NATIONAL ENDOWMENT FOR FINANCIAL EDUCATION

The NEFE High School Financial Planning Program® (NEFE HSFPF) is a seven-unit student curriculum designed to educate students in basic money management skills. The performance-based learning methodology takes students step-by-step through each unit and has them perform core competencies. The program has been shown – through two independent evaluations – to produce significant knowledge gain, the confidence to take action and actual positive behavior change in significant numbers.

INTERACTIVE DVDS – HCH, J2D, INO, SAVING SERGEANT PABLETTI, CHALLENGE I & II

In late 1998, WILL Interactive, Inc. invented and patented an interactive system that allows users to become the lead character in a full-motion interactive movie. The interactivity allows users to make decisions as a character, see the consequences of their decisions, alter storylines and change outcomes simply by clicking a mouse. Since the release of its first product, WILL Interactive has become a force in the interactive training market. WILL Interactive is the pioneer for a new genre of education and entertainment media known as virtual experience.

INTERNATIONAL MATHEMATICS OLYMPIAD (JROTC)

The Army sponsors a team to represent the United States at the International Mathematics Olympiad, competing with teams from other countries. This annual mathematics competition for high school students is the oldest of the International Science Olympiads.

INTERNSHIPS SCIENCE & ENGINEERING PROGRAM (ISEP)

Students in this program 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.

JROTC LEADERSHIP AND ACADEMIC BOWL (JLAB)

The College Options Foundation is dedicated to enriching the academic development of high school students and assisting them in their preparation for higher education. Using academic competitions, college exam study guides, college admissions tutorials and personalized counseling, this program has helped thousands of students attain their dreams of attending college.

JUNIOR SCIENCE & HUMANITIES SYMPOSIUM (JSHS)

This annual high school competition helps students develop oral presentation skills and emphasizes the ethical conduct of original research. U.S. Army Research Laboratory scientists and engineers are judges in the Maryland regional competition and provide students mission-related research topics and summer internships. Scholarships are awarded to highly talented students.

JUNIOR SOLAR SPRINT (JSS)

The Junior Solar Sprint (JSS) is a model solar electric car program recognized nationwide as an innovative way to inspire middle school students to study in the fields of science, mathematics and engineering. Northeast Sustainable Energy Association (NESEA) provides professional development to teachers, non-formal educators and community mentors on applications in solar energy. Workshops are designed to help prepare educators in leading middle school students through Junior Solar Sprint, where kids design, build and compete with model solar electric cars. Through hands-on experimentation, students learn how to build model solar cars and tackle issues in engineering process, properties of materials, forces and motion, electricity and magnetism, ratios and geometry, and craftsmanship. These young engineers deepen their understanding about solar energy, math, physical science and craftsmanship. Along the way, students explore scientific concepts and technologies that can help our country address issues of global climate change, reduce air and water pollution, and reduce our dependence on foreign sources of fuel. Additionally, teams can enter their cars in local design and race competitions with top winners invited to NESEA's annual championship.

LEARNING LOGIC

Learning Logic is a self-paced, mastery-based computer software program used for teaching Pre-Algebra and Algebra I (180 contact hours). Learning Logic is designed to ignite and promote increased interest in mathematics and the sciences through interactive lessons and real world applications. Since its initial delivery to schools in 1990, more than 500 teachers and 120,000 students across the United States have used Learning Logic.

MARCH2SUCCESS

This test prep tool provides free educational content to help anyone improve their knowledge and test scores in the areas of Language Arts, Mathematics and Science. March2Success also provides information about applying to college, including interviewing, essay writing, financial aid and other topics. Content is provided by Peterson's, Educational Options and College Options Foundation.

NATIONAL EDUCATION CONVENTIONS

Army National Education Conventions aim to communicate the numerous Army educational opportunities and options to educators, centers of influence (COIs) and students. Educators and COIs will be given the opportunity to advocate the value of Army service and educational success to young people with the knowledge gained from these events.

NATIONAL GUARD GED PLUS PROGRAM

The Army National Guard has authorized the enlistment of applicants having neither a high school diploma nor alternate education credential (GED, National Guard Youth Challenge, Correspondence Diploma, etc). The Applicants will enlist under the "Army National Guard GED Plus Program." The enlistee has three options: Online only, Resident and Alternate State Option.

NATIONAL SCIENCE CENTER DISTANCE LEARNING

The National Science Center (NSC) is a unique partnership between National Science Center, Inc., a non-profit organization, and the U.S. Army. National Science Center Distance Learning, or "NSC Live" delivers interactive programming to schools across the United States through the technology of Internet Protocol (IP) Video Conferencing (VTC).

NATIONAL SCIENCE CENTER JROTC PROGRAMS

In partnership with the Army's Cadet Command, the National Science Center provides hands-on math and science training for JROTC Cadets through the summer camp and in-school programs. The NSC provides curriculum and materials for activities that involve "learning by doing." Cadets construct items such as battery-powered cars, spinning coil motors, series and parallel circuits, flashlights, burglar alarms, telegraph keys, electromagnets and engraving pencils.

NATIONAL SCIENCE CENTER MOBILE DISCOVERY CENTERS

The National Science 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.

NHRA YOUTH AND EDUCATION SERVICES

The NHRA's Youth & Education Services (Y.E.S.) program presented by the U.S. Army is motorsports' first and only full-time program devoted exclusively to educational programming. The Y.E.S. program was created in 1989 as a tool to connect education and drag racing. Since its inception, the Y.E.S. program has continued to expand and improve its programs, seminars, literature and educational material. The Career Opportunities Fair (C.O.F.), held every year at Auto Club Raceway at Pomona, and the Y.E.S. programs reach tens of thousands of students annually in a variety of services and offerings. This effort assists teachers and students in determining a course of action to help young people achieve their long-term career goals.

PLANNING FOR LIFE

Planning for Life (PFL) is a free interactive seminar to help students plan for life beyond high school. The half-day workshop, designed for freshman, sophomore and junior high school students, features career and college planning tools, a nutrition/physical fitness segment and a personal development segment. While the program is sponsored by the U.S. Army, PFL is a public service, not a recruiting initiative. This is just one way the Army gives back to the community and supports the youth of America.

PROJECT LEAD THE WAY

Project Lead the Way is a national organization, dedicated to creating partnerships with the nation's schools to prepare students to be successful in engineering and technology programs.

RESEARCH & ENGINEERING APPRENTICE PROGRAM (REAP)

The Research and Engineering Apprentice Program is a summer program for students, providing a hands-on experience in a lab environment at 40 colleges in over 30 states. The U.S. Army Research Laboratory supports 95 REAP internships each year.

SCIENCE AND TECHNOLOGY ACADEMIC RECOGNITION SYSTEM (STARS)

The Science and Technology Academic Recognition System provides internships, fellowships and employment opportunities for qualified undergraduate and graduate students in the U.S. Army Research Laboratory.

SERVICEMEMBERS OPPORTUNITY COLLEGES, ARMY DEGREE (SOCAD)

This program aims to develop articulated associate and/or bachelor's military occupation specialties (MOS) degree plans and to disseminate information to Soldiers, allowing them to make informed decisions about pursuing a certain degree. The SOCAD Army Career Degree Program advances the SOCAD concept by more thoroughly and comprehensively articulating degree options directly related to Soldiers' MOSs.

SERVICEMEMBERS OPPORTUNITY COLLEGES, NATIONAL GUARD (SOCGUARD)

SOC Guard integrates postsecondary education with Army National Guard Education Initiatives by serving as the higher education liaison and adviser to the National Guard Bureau (NGB) Education Division and the Army National Guard (ARNG) in all U.S. states and territories. SOCGuard staff members assist Education Services Officers (ESOs) in organizing and conducting outreach activities with higher education institutions in their states, helping to expand access to quality education programs for Guard Soldiers.

STEM LEARNING MODULES

This National Science Foundation-funded program is used by 9,000 students nationwide. The program includes interdisciplinary modules based on topics in materials science used in middle and high school science, technology and math classes.

SUCCESS PROFILER

The Success Profiler is an assessment and skill intervention system targeting social/emotional intelligence. All of the U.S. Army JROTCs use the Success Profiler program in helping develop goal setting as well as social/emotional learning in Cadets at over 1,500 programs throughout the United States.

TEEN GETGOING

Teen Getgoing is a Web-based outpatient service for those in need of treatment for substance abuse. This program is targeted toward high school students to help overcome the barriers of distance, convenience and privacy by making treatment groups available online.

THINKING MAPS®

Thinking Maps, Inc. is an educational consulting and publishing company specializing in providing professional staff development for K-12 schools across the country. Thinking Maps® are visual teaching tools that foster and encourage lifelong learning. The Tools for Learning manual is the primary resource for instruction using Thinking Maps® and the Training of Trainers manual is used to teach others to become trainers of the Thinking Maps® common visual language.

UNINITIATES INTRODUCTION TO ENGINEERING (UNITE)

UNITE aims to promote careers in engineering and technology by providing disadvantaged high school students with the opportunity to participate in college-structured academic enrichment programs, with courses in chemistry, physics, algebra and calculus. Seven colleges host UNITE students during the summer.

VIRTUAL EXPERIENCE INTERACTIVE LEARNING SOFTWARE (VEILS®) DVD-ROMS

This library of six interactive DVD-ROMs helps participants prepare for difficult real-life issues by allowing them to "play it out" on a computer and experience the consequences of their choices before they "live it out" in reality and are forced to live with those consequences forever.

WE THE PEOPLE: THE CITIZEN AND THE CONSTITUTION

As part of the Center for Civic Education, the primary goal of this program is to promote civic competence and responsibility among the nation's elementary and secondary students. What makes the program so successful is the design of its instructional program, including its innovative culminating activity. Since its origin in 1969, Center materials have been used in all 50 states and the District of Columbia, as well as in the trust territories and many regions across the world.

WINNING COLORS

Winning Colors is a behavioral observation communication tool that is used to gain better understanding of yourself and others. The Winning Colors® process objective is to empower any person, having reached the age of reason, to identify and with practice bring up the behaviors required by the situation. Hundreds of thousands of youth and adults over the past 25 years have participated in the Winning Colors® process.

WOMEN IN SCIENCE PROJECT (WISP)

The Women in Science Project was created at Dartmouth College to encourage interested women to stay in mathematics, science and engineering.

YOU CAN SCHOOL PROGRAM (YCSP)

You Can School Program develops life skills for high school students while also offering community service opportunities. Through Army National Guard, this program consists of dynamic multimedia presentations that have been developed with the input of educators. The YCSP informs, motivates and empowers students by focusing on key decision-making skills. Various topics include drug and alcohol awareness, violence prevention, life betterment, career direction, health and well being and discovery.

YOU THE PEOPLE

You The People is a school-based and community-based participatory, interactive civics and citizenship study program. The program seeks to promote an active citizenry -- citizens who participate in our democracy, no matter what their political views, in a civil and skilled manner. This program, therefore, draws not on any one particular political philosophy or belief, but on the ideals of the U.S. Constitution and our history of civil democratic discourse.

YOUTH CHALLENGE PROGRAM

The National Guard Youth ChalleNGe is a preventive at-risk youth program, targeting participants who are 16 to 18 years old. The program involves a 22-week residential phase, followed by a year-long mentoring relationship with a specially trained member from each youth's community. This program graduates with the values, skills, education and self-discipline necessary to succeed as adults.