

WELCOME!

IT STARTS
HERE.



PA W911SR-15-R-0003: Opportunity Day

26 February 2015



Louie R. Lopez

AEOP Cooperative Agreement Manager

U.S. Army Research, Development and Engineering Command

- ***Ms. Nora Pasion***, Acting Director of Basic Research, Office of the Assistant Secretary of the Army for Acquisition, Logistics and Technology (ASA/ALT)
- ***Ms. Andrea Simmons-Worthen***, AEOP Director on behalf of the Deputy Assistant Secretary of the Army for Research and Technology, Camber Contract Support
- ***Ms. Debra Abbruzzese***, Chief – Edgewood Contracting Division, U.S. Army Contracting Command
- ***Ms. LaVetta Wynn-Smith***, Agreements Officer, Edgewood Contracting Division, U.S. Army Contracting Command
- ***Mr. Alex Schupp***, *Agreements Specialist*, Edgewood Contracting Division, U.S. Army Contracting Command
- **LTC Felicia Langel**, Director of Strategic Partnerships, U.S. Army Medical Research and Material Command
- **Ms. Lauren Beeson**, Educational Consultant, Office of the Director of Strategic Partnerships, U.S. Army Medical Research and Material Command

- **Mr. Don Matts**, Director of Special Programs, Programs & Engineering, U.S. Army Research, Development and Engineering Command (RDECOM)
- **Mr. Jan McNutt**, International/Acquisition Attorney, Army Material Command Legal Center Aberdeen Proving Ground, RDECOM Division
- **Mr. Louie Lopez**, AEOP Cooperative Agreement Manager, Programs & Engineering, RDECOM
- **Ms. Jennifer Carroll**, AEOP Deputy Cooperative Agreement Manager, Programs & Engineering, RDECOM
- **Mr. Jerry Crabb**, STEM Program Coordinator & eCYBERMISSION and Junior Solar Sprint Lead, Programs & Engineering, RDECOM



RDECOM acts as the executive agent on behalf of the Office of the Assistant Secretary of the Army in Acquisition, Logistics and Technology (OASA/ALT) and provides technical and fiscal oversight of AEOP Cooperative Agreement.

0830-0900	Pre-meeting Networking
0900-0910	<i>Welcome and Introductions!</i>
0910-0930	Opening Remarks
0930-1000	Program Announcement Overview
1000-1115	AEOP Overview
1115-1145	Break
1145-1300	Q&A Session
1300	Adjourn
1300 -	Network on your own

DISCLAIMER

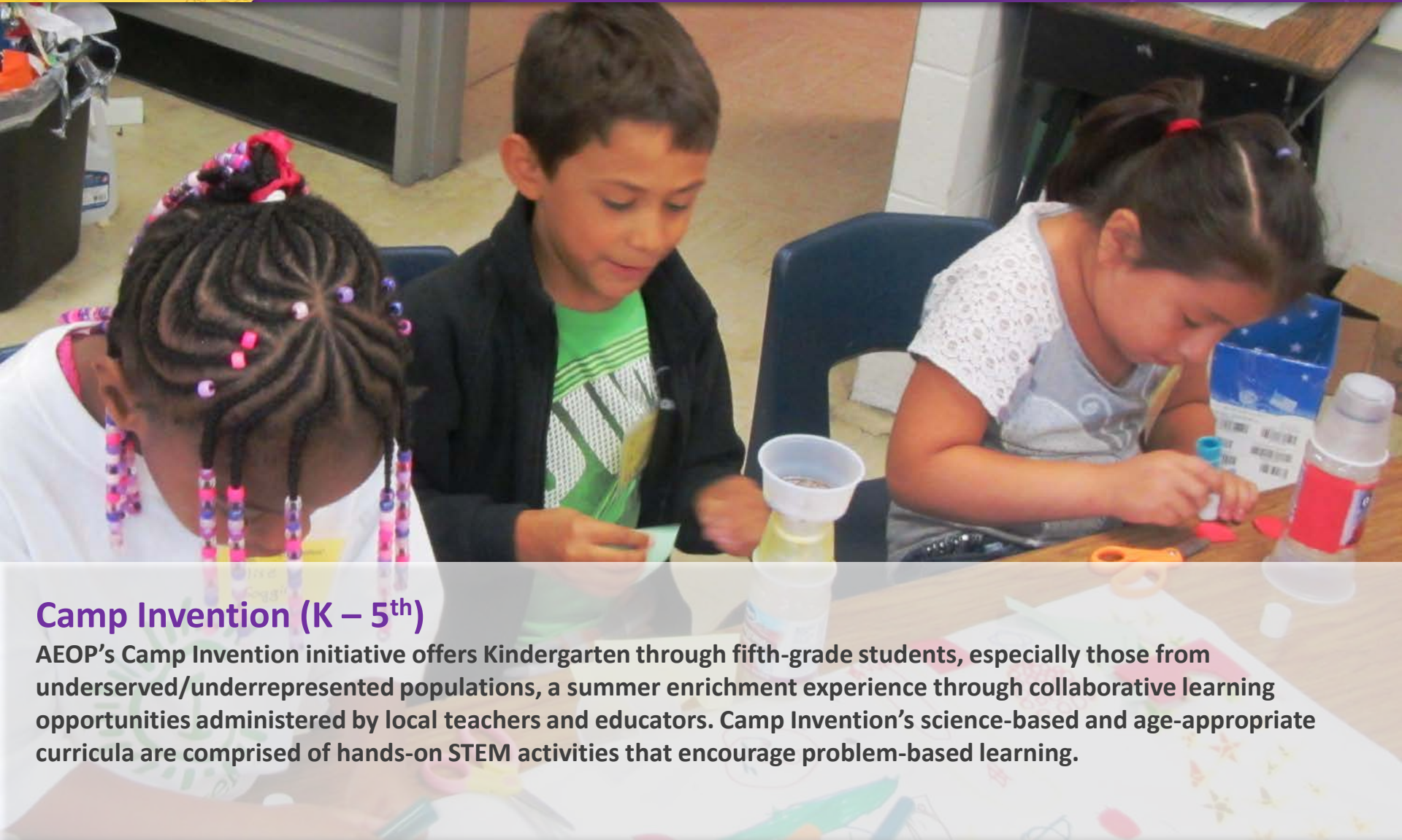
- *Nothing said today changes the requirements set forth in the Public Announcement (PA). However, comments and questions are welcome.*
- *Changes to the PA as a result of comments or questions received will be issued by formal amendment to the PA and will be posted both on Grants.gov and the Federal Business Opportunity website. Please note that information posted to Grants.gov governs.*
- *Official (true) copies are maintained by the Edgewood Contracting Division*

Please fill out a 3X5 card for any questions you may have today -

- *Cards are available at your tables and can be submitted in between presentations.*
- *Unless proprietary, all questions with answers will be posted on Grants.gov.*
- *Questions that are of a proprietary nature will be answered directly to the responder. If your question meets this criteria please include your name and e-mail information on the back of the card.*
- *Questions with answers will be provided during the Q&A period.*
- ***The last date for receipt of questions is 9 March 2015.***

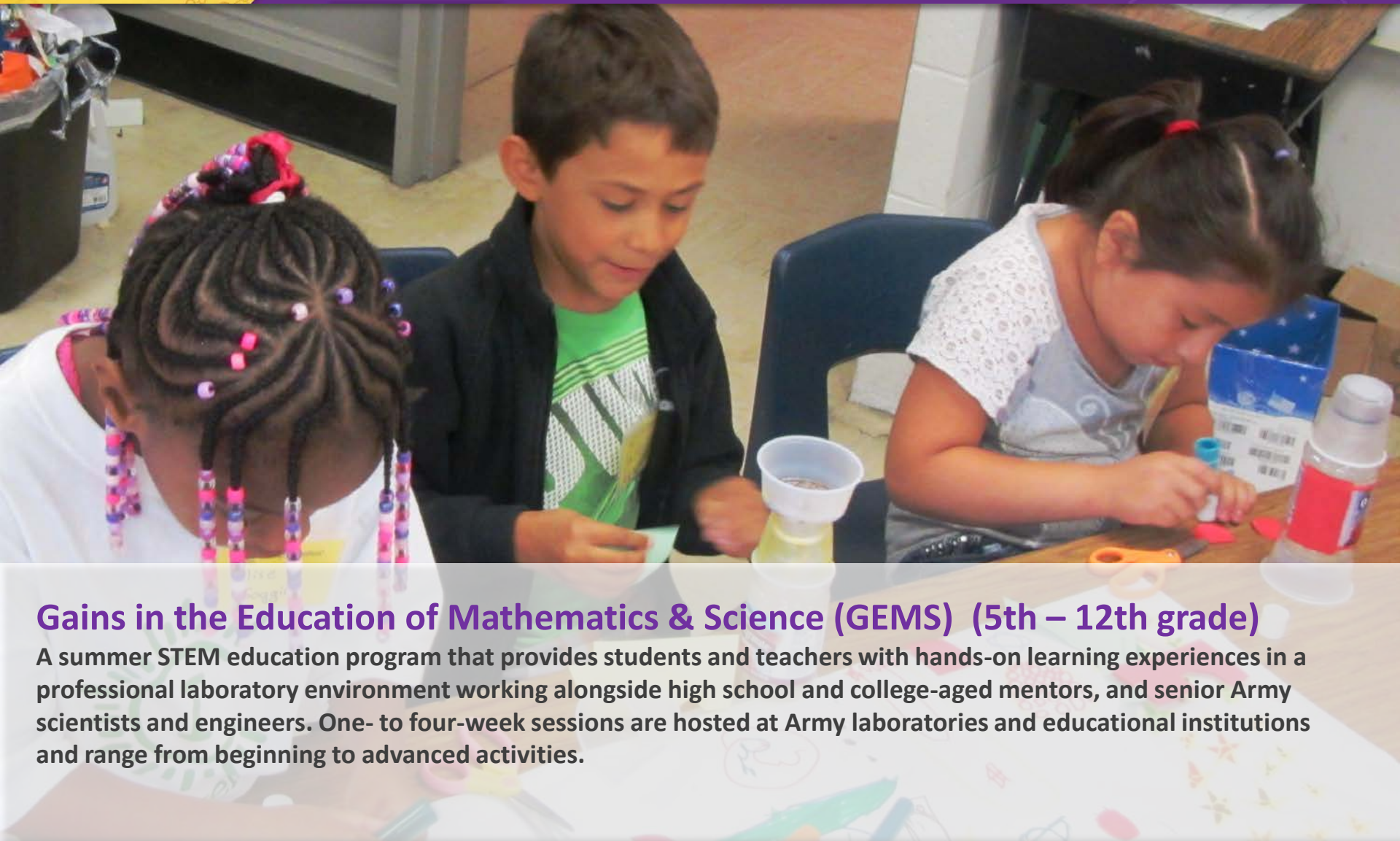
Program Overview

PA Fundamental Elements 1-12



Camp Invention (K – 5th)

AEOP's Camp Invention initiative offers Kindergarten through fifth-grade students, especially those from underserved/underrepresented populations, a summer enrichment experience through collaborative learning opportunities administered by local teachers and educators. Camp Invention's science-based and age-appropriate curricula are comprised of hands-on STEM activities that encourage problem-based learning.



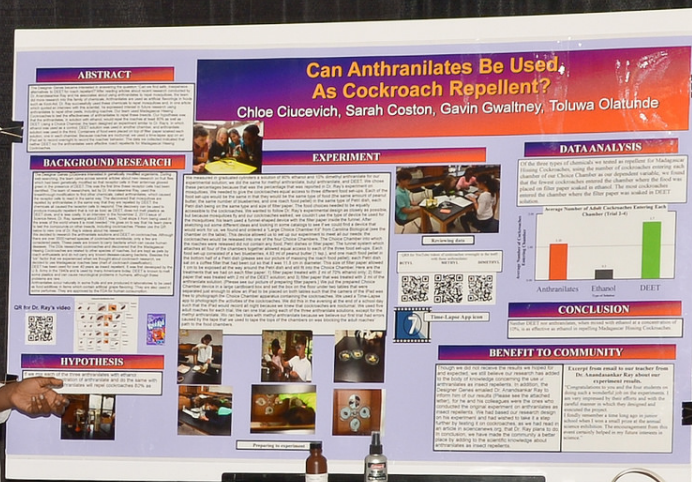
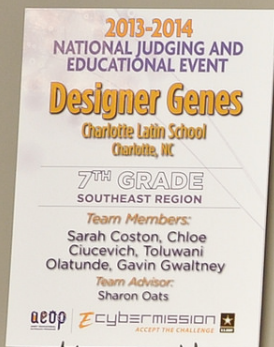
Gains in the Education of Mathematics & Science (GEMS) (5th – 12th grade)

A summer STEM education program that provides students and teachers with hands-on learning experiences in a professional laboratory environment working alongside high school and college-aged mentors, and senior Army scientists and engineers. One- to four-week sessions are hosted at Army laboratories and educational institutions and range from beginning to advanced activities.



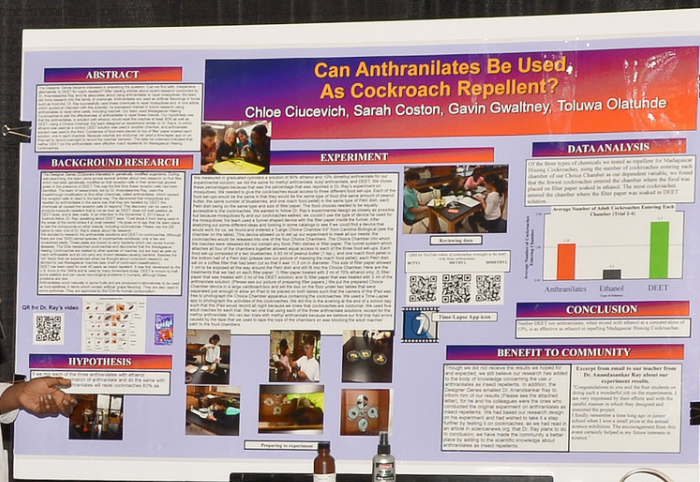
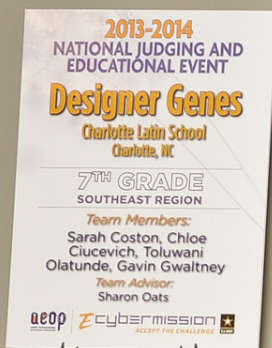
UNITE (9th – 12th grade)

Promotes college majors and careers in engineering by providing high school students historically underserved and underrepresented in STEM areas with the opportunity to participate in a hands-on academic and enrichment summer program in engineering.



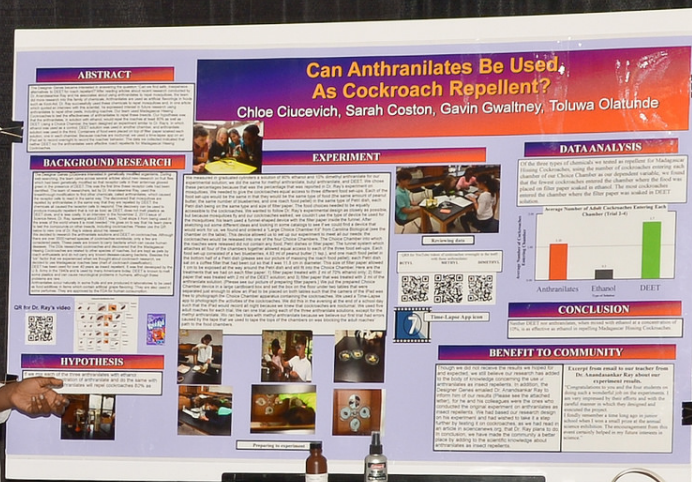
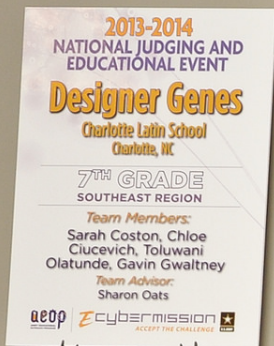
Junior Solar Sprint (JSS) (4th – 8th grade)

An inquiry-based engineering challenge through which students design, build, and race model solar cars. Students develop teamwork and problem solving abilities, investigate environmental issues, gain hands-on engineering skills, and use principles of science and math to get the fastest, most interesting, and best crafted vehicle possible. Online portal provides resources and connections to education standards for teachers, mentors, and students, as they work through the design and build process.



eCYBERMISSION (6th – 9th grade)

A web-based science, technology, engineering and math (STEM) competition for students that promotes self-discovery and enables all students to recognize the real-life applications of science, math and technology. Using either the scientific inquiry method or the engineering design process, students form teams of three to four students and propose a solution to a real problem in their communities, competing for state, regional and national awards.



Junior Science & Humanities Symposium (JSHS) (9th – 12th grade)

Supports and recognizes high school students as they present their original research pursuits in the sciences, technology, engineering and math, competing for scholarships and awards at both regional and national symposia. Students learn from their interactions with practicing researchers who provide enrichment opportunities at the symposia and discussions that allow participants to look beyond high school to future post secondary education and career development in STEM.



AEOP Apprenticeships (High School & College)

Provides students with hands-on research experiences in both military laboratory and university laboratory settings. Students have the unique opportunity to be mentored and trained by senior Army, or Army-sponsored researchers while conducting real-world research. All students are placed at a laboratory within commuting distance of their residences and receive a stipend for participation. Applications are accepted year round and vary according to each program: Science & Engineering Apprentice Program (SEAP), Research & Engineering Apprenticeship Program (REAP), High School Apprenticeship Program (HSAP), College Qualified Leaders (CQL), Undergraduate Research Apprenticeship Program (URAP)



Scholarship & Award Opportunities (Undergraduate and Graduate)

The Department of Defense offers many opportunities for students to continue their pursuit of STEM education beyond high school. Additional information on these opportunities can be found at www.usaeop.com/scholarships.

- Science, Mathematics and Research for Transformation (SMART) Defense Scholarship for Service Program
- National Defense Science and Engineering Graduate Fellowship (NDSEG)

FY14 AEOP Student Participation

Program Name | # of Students

JSS | 878

eCYBERMISSION | 29,682

GEMS | 2,247

Camp Invention | 860

UNITE | 280

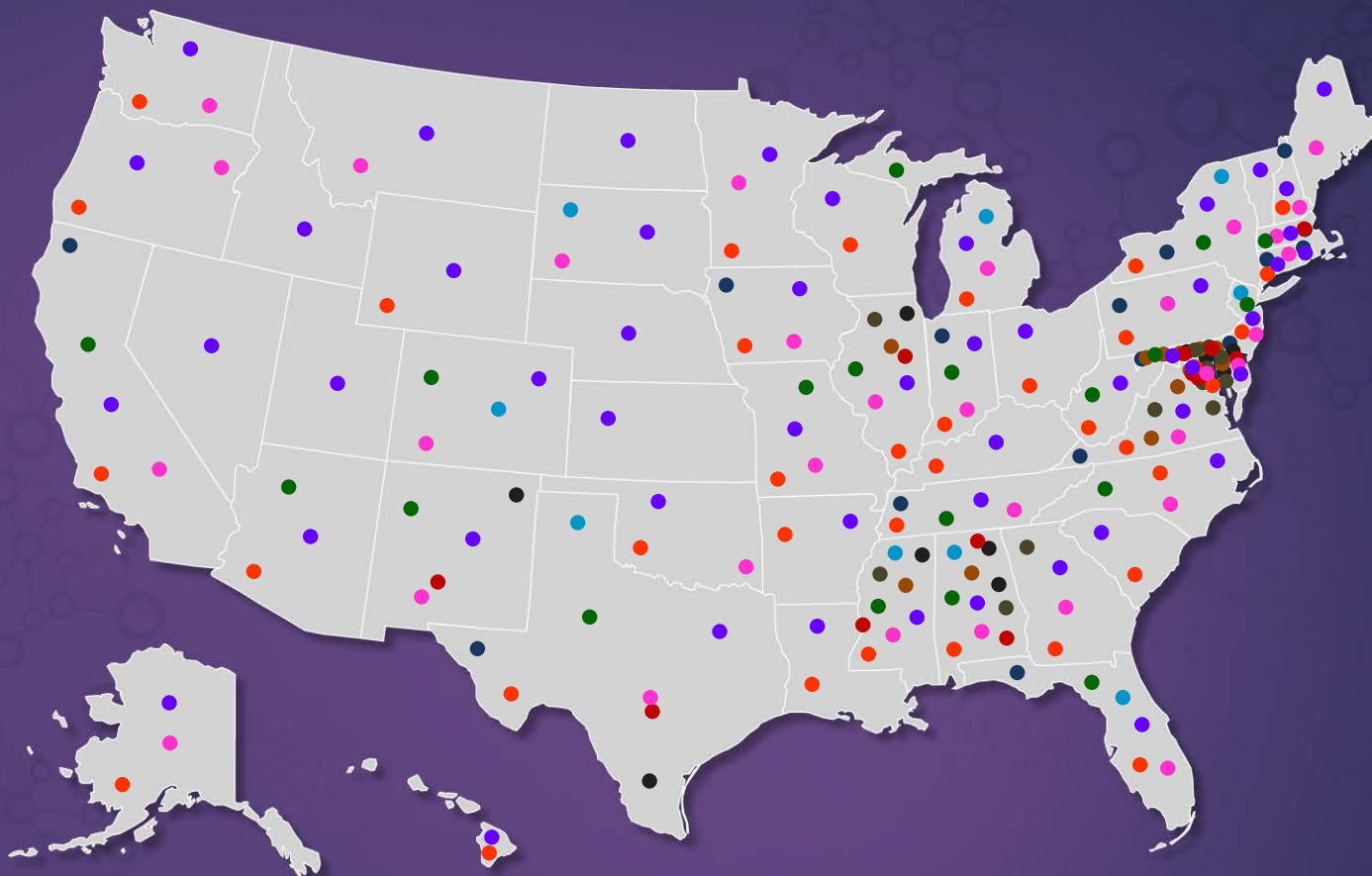
JSHS | 7,600

SEAP | 92

REAP | 117

HSAP/URAP | 90

CQL | 285



Programs are also located in America Europe, America Pacific, America Samoa, Guam, Puerto Rico, and the Virgin Islands

Total # of Students | 42,131

AEOP Priorities & Core Objectives

AEOP MISSION

Offer students and teachers a collaborative, cohesive, portfolio of Army-sponsored STEM programs that effectively engage, inspire, and attract the next generation of STEM talent through K-through college programs and expose them to DoD STEM careers

PRIORITY ONE

STEM Literate Citizenry

Broaden, deepen, and diversify the pool of STEM talent in support of our Defense Industry Base (DIB)

- a. Encourage and reward student participation in STEM opportunities
- b. Inspire students to excel in science and mathematics
- c. Increase participation of underserved populations in AEOP
- d. Expand involvement of students in ongoing DoD research
- e. Increase awareness of DoD STEM career opportunities
- f. Increase participants' awareness of AEOP opportunities to further their interest and engagement in STEM

PRIORITY TWO

STEM Savvy Educators

Support and empower educators with unique Army research and technology resources

- a. Partner with schools and teachers at local and state educational agencies for shared standards in science and mathematics
- b. Use incentives to promote teacher participation in AEOP
- c. Provide online resources for educators to share best practices
- d. Provide and expand mentor capacity of the Army's highly qualified scientists and engineers
- e. Increase educators' awareness of AEOP opportunities

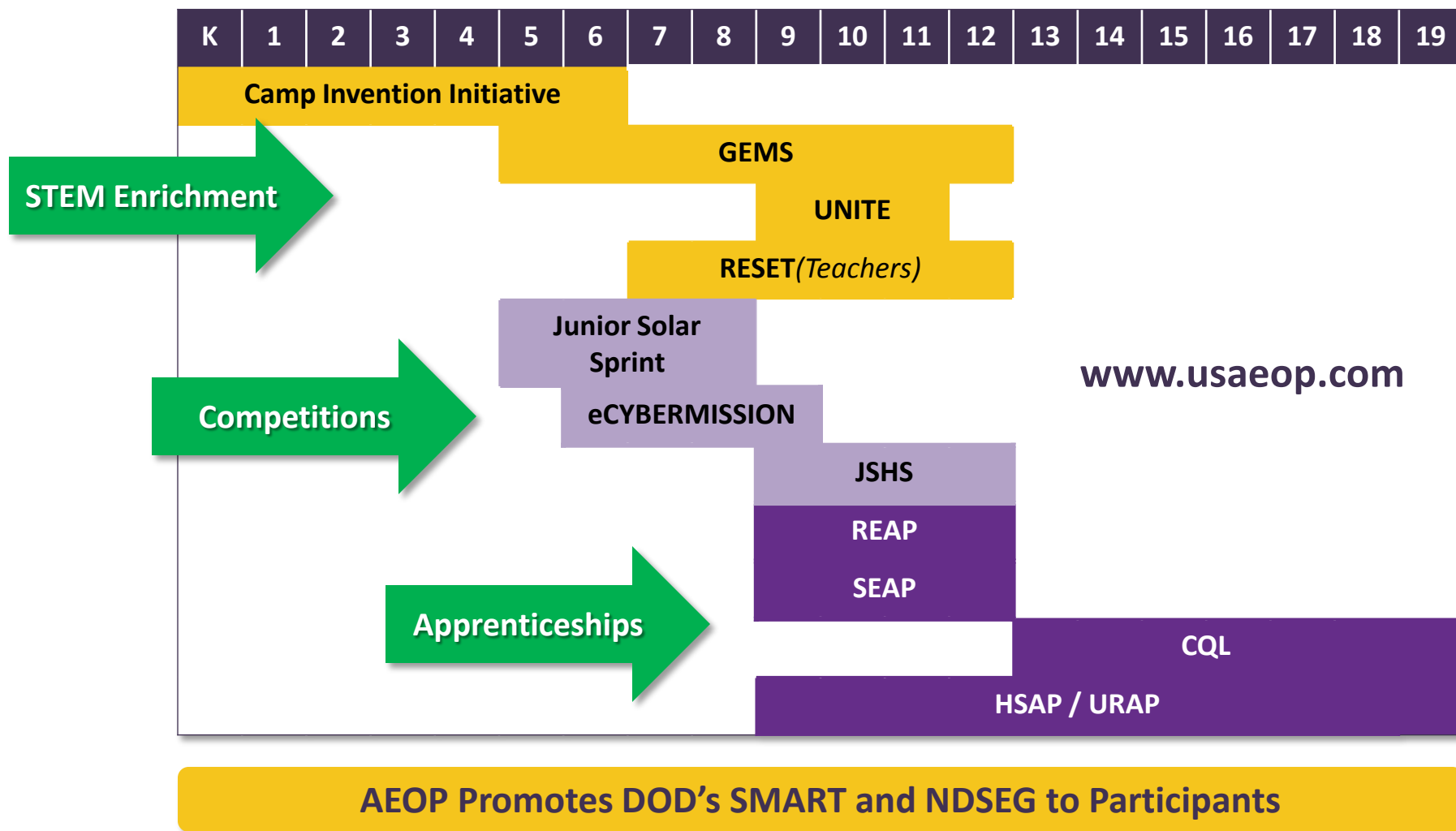
PRIORITY THREE

Sustainable Infrastructure

Develop and implement a cohesive, coordinated, and sustainable STEM education outreach infrastructure

- a. Develop and implement cohesive program metrics for all of AEOP
- b. Provide STEM educational opportunities for students at all stages of their K-12 education
- c. Integrate programs into a strategic and comprehensive marketing strategy, inclusive of centralized website and application tool
- d. Establish competitive process for funding new STEM investments that align to overall program strategy
- e. Establish SOPs to streamline processes and promote sharing of best practices across AEOP
- f. Support and compliment the Federal STEM Strategy

AEOP Portfolio



I. AEOP / Consortium-wide Efforts

1.	Consortium / COA Management
2.	Program Evaluations: Data Collection, Assessment/Analysis and Reports
3.	Marketing and Communications
4.	AEOP Alumni Management
5.	Strategic Outreach Initiatives

II. Individual AEOP Program Management

Apprenticeship Programs	STEM Enrichment Activities	Competitions
6. AEOP Apprenticeship Management - Science and Engineering Apprentice Program (SEAP); - College Qualified Leaders (CQL); - High School Apprenticeship Program (HSAP) - Undergraduate Research Apprenticeship Program (URAP) - Research and Engineering Apprenticeship Program (REAP)	7. Gains in the Education of Math and Science (GEMS) <i>* Camp Invention Initiative</i>	10. Junior Solar Sprint (JSS)
	8. Unite	11. eCYBERMISSION (eCM)
	9. Research Experience for STEM Educators and Teachers (RESET)	12. Junior Science & Humanities Symposium (JSHS)

Program Expectations

- Established Consortium must be flexible and efficient in executing programs and adapting to program and policy updates from Army, DoD, Federal STEM Committee, and Congress.
- Coordinated and cohesive approach to program execution, evaluations and promotion
- AEOP envisions programmatic decisions are driven by data and analysis through program evaluations
- Consortium Lead Organization may not execute individual AEOP fundamental elements numbers 6 through 12
- Ensuring Army presence and visibility at all major AEOP events and within program elements
- Consortium members should have defined areas of responsibility to minimize overhead, yet ensure relevance and proper oversight.
- Seamless integration of program components that is most conducive to collaboration, maximizes the expertise of all Consortium members, and effectively achieves the core objectives established by the Army.
- *Premium Customer Service* to AEOP's target audience and key stakeholders: students, teachers, educators, parents and other Government/Federal partners
- Exemplary stewardship of the Army's STEM programs and public dollars

Consortium-wide Efforts

PA Fundamental Elements 1-5

1. Consortium/COA Management

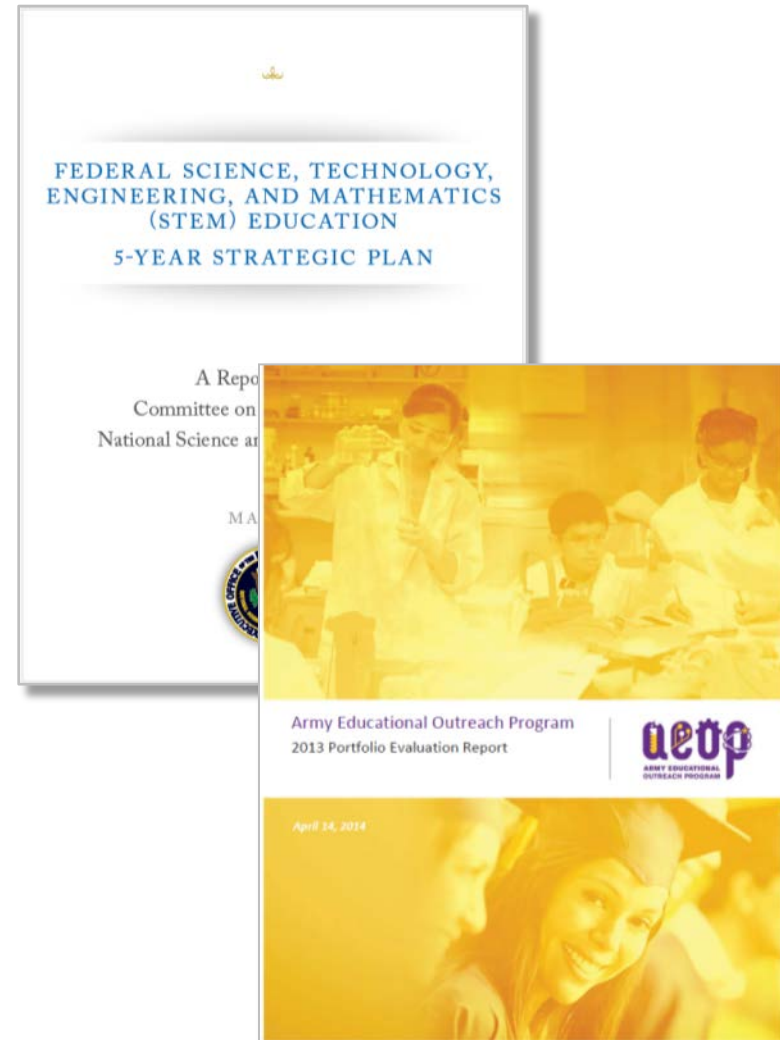
- Identify a Consortium Member to be the lead organization (LO).
- Well defined articles of collaboration
- The LO's designated project director will work closely with the cooperative agreement manager (CAM)
- Ensure that program evaluations are conducted in accordance with established IRB and evaluation reports are submitted on target deadlines
- Coordination and maintenance of centralized AEOP website and application tool for all programs
- Ensure that annual deliverables are met including compiled annual program plan (APP), annual program report (APR), year-end program reviews and annual program evaluations
- Ensure that Consortium Members are on track in meeting program objectives in support of AEOP priorities and core objectives
- Manage financials: Recipient will provide a compiled annual financial report to the CAM electronically
- Carry blanket accident insurance policy to cover all AEOP participants

Roles:

- ***Cooperative Agreement Manager (CAM)*** – also known as agreements officer representative. Government representative with overall technical and fiscal responsibility for the AEOP COA.
- ***Program Director (PD)*** – designated by the Consortium's LO with the responsibility to manage and provide guidance to the Consortium.
- ***Individual Program Administrator (IPA)*** – primary point of contact designated by the Consortium for each fundamental element. Communicates regularly with the PD and CAM.
- ***Local Program Coordinator (LPC)*** – In few cases, AEOP elements have site-specific government employees who provide localized management/oversight at Army laboratories and research/development centers.
- ***Cooperative Management Committee (CMC)*** – this body will include representative from each of the Consortium. The CAM participates as ex officio member in all discussions. The CMC will be chaired by the LO

2. Program Evaluations: Data Collection, Analysis and Reports

- Coordinate with CAMs to ensure annual evaluation plans are aligned with Army, DoD and Federal STEM strategic plans
- Overall evaluations approach should address near-term, intermediate and long-term program impacts in accordance with established IRB
- Annual summative and individual program reports
- Strive to: (1) assess progress towards AEOP objectives; (2) recommend evidence-based adjustments; and (3) provide indications of potential program effects.
- Continually improve rigor and ensure training on GOVT standards and industry best practices



3. Marketing and Communications

- Comprehensive, strategic, and coordinated overarching marketing and communications strategy in promoting the AEOP brand and its pipeline of STEM opportunities to target audience
- Management and maintenance of AEOP public-facing website to include social media
- Increase visibility and awareness of AEOP through media relations and outreach
- Coordinate production and distribution of AEOP printed marketing materials



The mockup shows the AEOP website layout. At the top is the AEOP logo and a navigation bar with links: ABOUT, PROGRAMS, GET INVOLVED, NEWS, and APPLY. Below the navigation bar is a large hero image of a man and two children in a lab setting. To the right of the image is the AEOP logo and the tagline "IT STARTS HERE." with a star. Below the hero image is a section titled "PROGRAMS" with two sub-sections: "STEM ENRICHMENT ACTIVITIES" and "COMPETITIONS". Each sub-section has a description and a list of activities.

PROGRAMS

STEM ENRICHMENT ACTIVITIES

AEOP's STEM Enrichment Activities are designed to spark student interest in STEM- especially among the underserved and those in earlier grades- by providing exciting, engaging, interactive, hands-on STEM experiences:

- Camp Invention (K-5th)
- GEMS (5th-12th)
- UNITE (9th-12th)

COMPETITIONS

AEOP's STEM Competitions are designed to expose students to scientific research methods and engineering principles in an interactive, hands-on way, and enables them to compete for recognition, scholarships and awards:

- JSS (5th-8th)
- eCYBERMISSION (6th-9th)
- JSHS (9th-12th)

4. Alumni Management

- Develop a strategy and tactics that will establish and grow AEOP's alumni database and network
- Support AEOP FY11-FY15 alumni study in measuring mid and long term outcomes
- Leverage alumni network to engage in current activities as ambassadors and encourage "Share your Story"

5. Strategic Outreach Initiatives

- Explore and adapt innovative ways to form mutually beneficial partnerships with likeminded organizations to expand reach to underserved populations
- At least 80% of funding allocation should fund approved AEOP partnership efforts
- Encourage AEOP participants to engage in scientific meetings/technical symposia to showcase their STEM achievements, highlight AEOP, and receive recognition.
- Develop strategy to increase AEOP participation of military dependents and DoDEA teachers

Individual AEOP Program Management

PA Fundamental Elements 6-12

6. AEOP Apprenticeship Management

- Management of apprenticeship programs in support of participating labs and partner universities
- AEOP Apprenticeship Programs
 - Science & Engineering Apprentice Program (SEAP)
 - Research and Engineering Apprenticeship Program (REAP)
 - High School Apprenticeship Program (HSAP)
 - College Qualified Leaders (CQL)
 - Undergraduate Research Apprenticeship Program (URAP)
- Develop and implement an annual strategic implementation plan to include program milestones such as marketing/outreach, website and application tool maintenance, and program and evaluation execution.
- Responsible for distribution of apprenticeship stipend awards (SEAP, REAP & CQL)

2014 # of Sites

SEAP	REAP	HSAP	CQL	URAP
9	40	5	9	30

6. AEOP Apprenticeship Management (Cont.)

Program	FY14	Year 1	Year 5	Year 10
<i>Apprenticeship Awards / Number of Applicants</i>				
SEAP	92 / 810	120 / 990	180 / 1,449	250 / 2,334
REAP	117 / 401	132 / 425	174 / 550	260 / 900
HSAP	10 / 84	50 / 120	70 / 175	80 / 400
CQL	285 / 550	365 / 650	465 / 908	650 / 1,462
URAP	59 / 89	60 / 288	80 / 384	105 / 504

Other Benchmarks for AEOP Apprenticeship Programs

- Increase participants' awareness of AEOP and DoD STEM opportunities
- Increased interest in pursuing a STEM career
- Number of apprenticeship awards provided to underserved/underrepresented students
- Number of Mentors

6. AEOP Apprenticeship Management (Cont.)

- SEAP-CQL: Develop and implement a plan to monitor stipend awards distribution and prepare periodic statements to participating labs.
- HSAP/URAP: Assist GOVT program coordinator in program execution to include outreach and site selection through RFP.
- REAP: Conduct RFP to select host institutions for REAP apprentices
- Program fixed costs:
 - SEAP/CQL: refer to stipend policy – see PA appendix
 - REAP: \$1,500 educational stipend award per apprentice
- Milestones:

Program	Applications	Participant Selection	Program Execution	Data Collection
SEAP	Nov-Mar	Apr-May	June-Aug	June-Aug
REAP	Jan-Mar	Apr-June	July-Aug	July-Aug
HSAP/URAP	Jan-Feb	Apr-May	June-Aug	June-Aug
CQL	Year-Round			May-August

7. Gains in the Education of Math and Science (GEMS)

- In coordination with the CAM and LPCs, develop a strategy for implementation of the GEMS program in support of host sites that includes the following essential program elements:
 - Aligned outreach/marketing with AEOP priorities and objectives
 - Management (maintenance) of centralized applications & website
 - Payment of educational stipends to program participants
 - Collection of Terms & Conditions
 - Facilitation of program evaluations
- Strategic integration of the Camp Invention Initiative (K-6) as a precursor to the GEMS programs to help diversify the STEM talent pool progressing into more competitive programs



7. GEMS (Cont.) – 10-Year Outlook

Description	FY14	Year 1	Year 5	Year 10
Student Participants	2,247	2,600	3,400	4,500
Number of Applicants	3,522	3,850	4,500	7,000
Number of GEMS Host Sites	12	12	16	20
Number of Camp Invention Sites	15	15	19	25

Other Benchmarks for GEMS and Camp Invention

- Increase participants from underserved/underrepresented populations
- Increase participants' awareness of other AEOP opportunities
- Increase participants' awareness of Army and DoD STEM Careers
- Increase participants' interest in future STEM activities
- Increase participation of Camp Invention alumni at GEMS sites

Milestones

Dec-April	Feb-May	May-August	May-August
Applications	Participant Selection	Summer Programs	Data Collection

7. GEMS (Cont.) – additional program overview

- Progression through various levels of program rigor in multiple GEMS sessions at Army laboratories
- Customized curricula at each GEMS site to reflect laboratory mission and research areas
- Each GEMS session consists of GEMS students (5th-12th grade students), Near-Peer Mentors (NPMs), Resource Teachers (RTs) and Army Scientists & Engineers (S&Es)
- GEMS students, NPMs, RTs and Army S&Es must apply/register via the centralized application / registration; participants are selected locally by LPCs
- GEMS students, NPMs and RTs receive weekly educational stipends in alignment with the AEOP stipend scale



8. Unite

- Conduct bi-annual competitive RFP process for the selection of higher education institutions as Unite host sites
- Strategic implementation plan for the Unite program cycle in coordination with regional directors at universities/colleges, LO and CAM that includes the following essential program elements:
 - Aligned outreach/marketing with AEOP priorities and objectives
 - Management (maintenance) of centralized applications & website
 - Payment of educational stipends to program participants
 - Facilitation of program evaluations
- Emphasize the opportunity for UNITE students to apply for the REAP program

UNITE



8. Unite (Cont.)

Description	FY14	Year 1	Year 5	Year 10
Student Participants	280	300	340	400
# of Applicants	437	475	600	1,000
# of Sites	10	10	12	21

Other Benchmarks for Unite:

- Increase participation from underrepresented populations
- Increase participants' awareness of DoD STEM careers
- Increase participants' awareness of AEOP opportunities
- Increase participants' awareness of Army and DoD STEM Careers

Milestones

Oct-Jan	Feb-May	May-June	June-August	June-August
RFP process (bi-annual)	Application	Participant Selection	Summer Program	Data Collection

9. Research Experience for STEM Educators and Teachers (RESET)

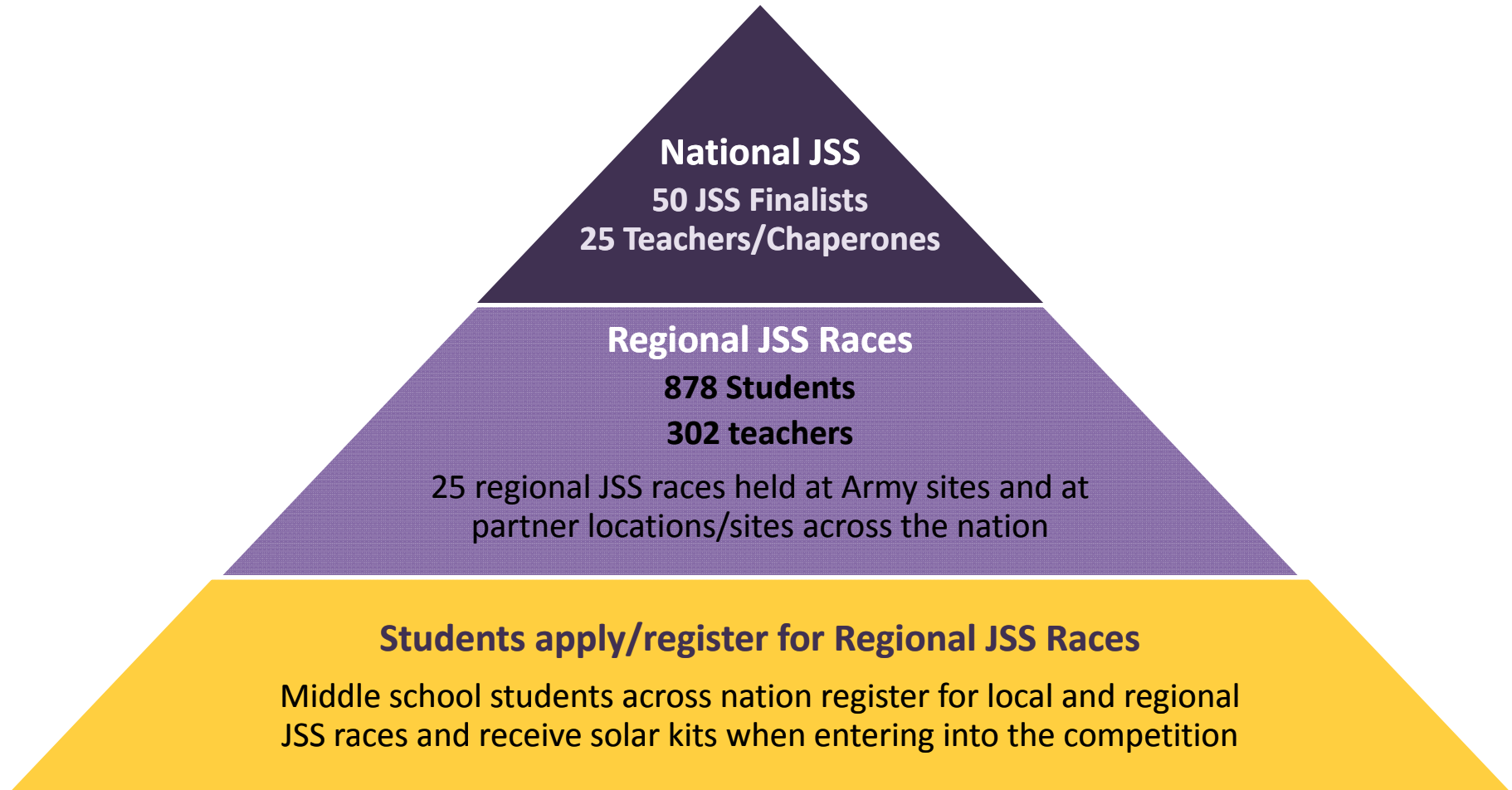
- Designed to provide teachers and educators from “high need” areas a unique summer research experience at participating Army laboratories and research centers in collaboration with institution of higher education.
- RESET will also extend opportunities to DoDEA educators and teachers.
- In coordination with the Army, establish formal partnership with Department of Education.
- Coordinate with the CAM to secure host sites
- Develop strategies in providing participants continuing educational credits
- Coordinate with AEOP-wide evaluations effort to measure program impact

10. Junior Solar Sprint (JSS)

- Strategic implementation plan for the JSS program cycle at Army and partner sites in coordination with the CAM, while including the following essential program elements:
 - Aligned outreach/marketing with AEOP priorities and objectives
 - Management (maintenance) of centralized applications & website
 - Payment of educational stipends to program participants
 - Facilitation of program evaluations
- Provide an opportunity for regional participants to compete at national level



10. JSS (Cont.) – FY14 Numbers & Structure



10. JSS (Cont.) – 10-Year Outlook

Description	FY14	Year 1	Year 5	Year 10
Student Participants	878	1,014	1,295	1,550
Teacher Participants	302	338	431	516

Other Benchmarks for JSS

- Increase participants from Title 1 Schools
- Increase participants from underserved/underrepresented populations
- Increase participants' awareness of DoD STEM Careers
- Increase participants' awareness of AEOP and DoD opportunities

Program Milestones

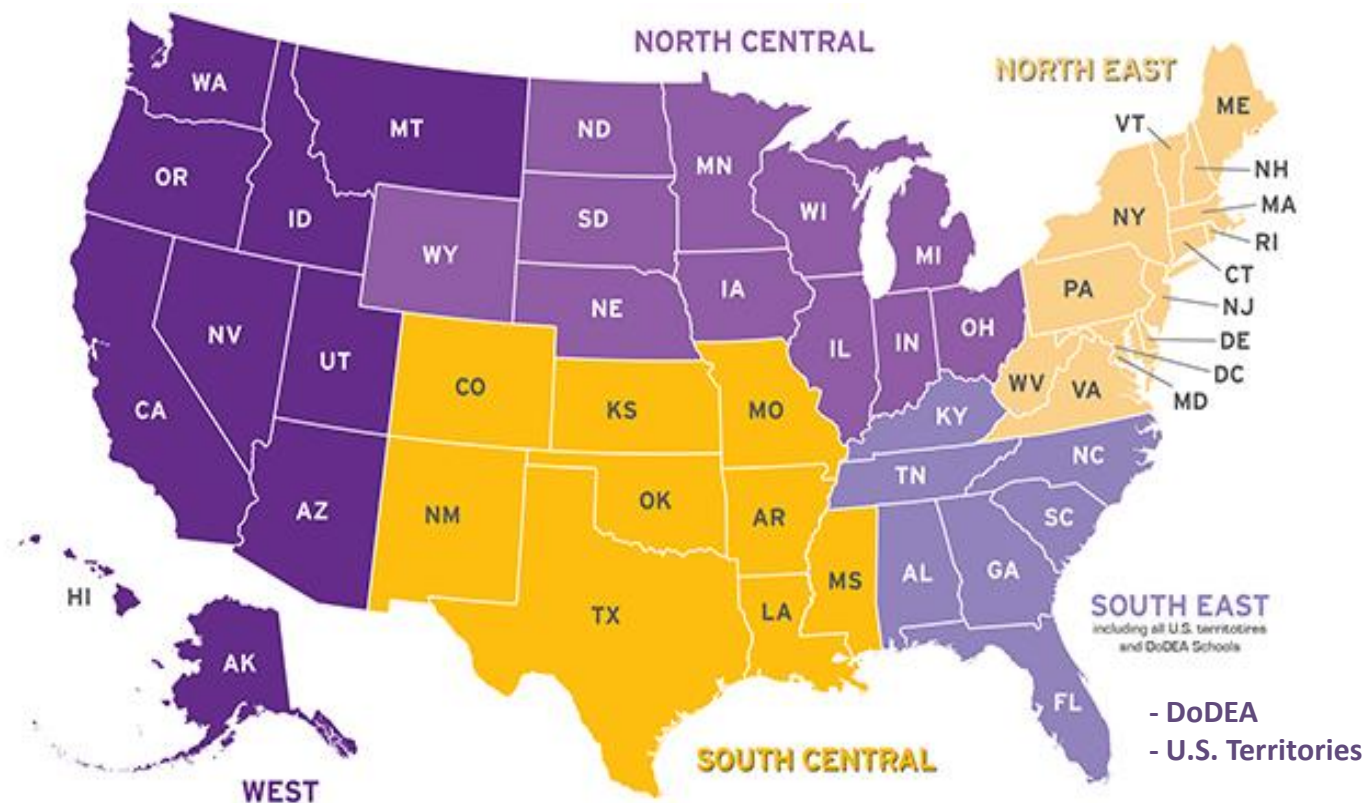
Nov- Jan	Feb-Jun	June	September
Identification of Regional JSS sites	Local & Regional JSS Races	National JSS Competition	Program Review

11. eCYBERMISSION (eCM)



- Five main tasks:
 - *Outreach*: develop and execute annual marketing, promotion, communications and outreach plan, to be executed throughout all phases of the program.
 - *Competition Management*: execute all phases of the competition from state, regional, and national to include “STEM-in-Action” awards. Manage comprehensive awards structure and coordinate ‘in-person’ National Judging & Educational Event (NJ&EE)
 - *Content Management*: Manage all aspects of the eCM website content and application tool.
 - *Program Development*: Develop and implement a strategic plan for eCM initiatives to allow for program expansion, maximizes impact and leverages partnerships.
 - *Program Evaluations*: participate in the planning and execution of program evaluations aligned with established Consortium IRB

11.eCYBERMISSION (Cont.) – FY14 numbers



29,682
Students

1,828
Team Advisors

2,754
Volunteers

Schools: 692

Public: 557

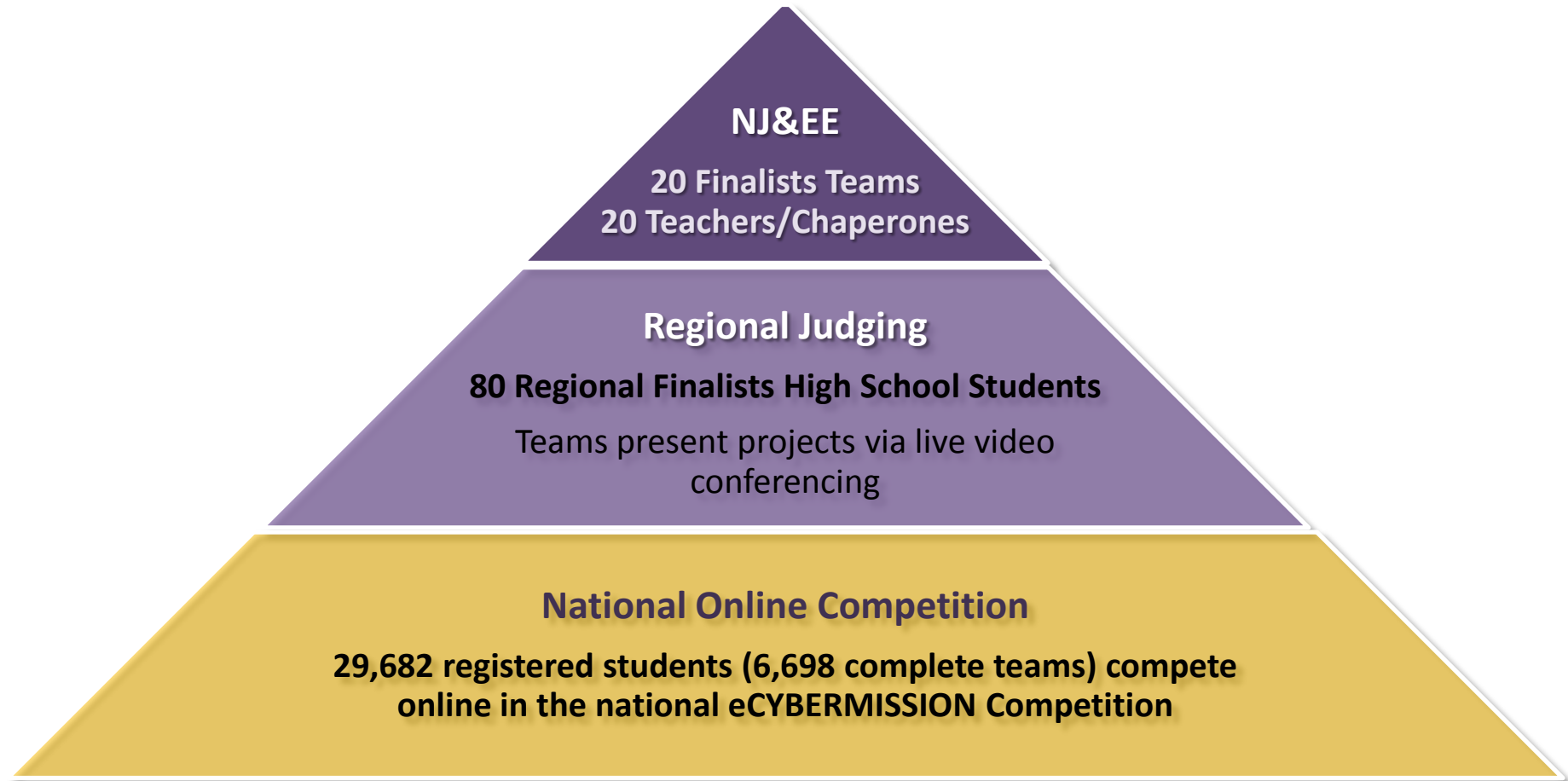
Title 1: 341

DODEA: 25

FY14 Mission Folder Submission: 15,859

eCM Mini-Grant Initiative: 10,606 Registrants

11. eCYBERMISSION (Cont.) – FY14 Numbers & Structure



6. eCYBERMISSION (Cont.)

Description	FY14	Year 1	Year 5	Year 10
Registered Students	29,682	27,500	37,500	50,000
Students with Submitted Mission Folders	15,859	20,900	30,000	42,500
Registered Team Advisors (TA)	1,828	1,900	2,700	3,700
TA Retention	22%	25%	35%	45%
Students Registered from Title I Schools	49%	50%	58%	68%

Other Benchmarks for eCYBERMISSION Competition

- Increased participants' awareness of AEOP and DoD STEM opportunities
- Percent of students from underserved/underrepresented populations
- Increase participation from DoDEA schools, teachers and students
- Increase outreach and retention of volunteers
- Increased student interest in STEM learning
- Increased student interest in pursuit of STEM related degrees

11.eCYBERMISSION (Cont.)

- Program fixed costs:
 - \$864K in U.S. Savings Bonds (face value cost) awards to State, Regional and National winners
 - \$25K in STEM-in-Action awards at \$5K each
- Coordination of National Judging & Educational Event (NJ&EE)
 - Recognition of National Winners, STEM-in-Action Awards & Volunteers
- eCM mini-grants
- Online Competition Infrastructure
- Program Milestones:

Volunteer Recruitment throughout the program cycle!

AUG - DEC	AUG – FEB	DEC – FEB	MAR	APR – MAY	JUN
Team Registration	Teams develop their projects	Mission Folder Submission	State Virtual Judging	Regional Judging	National Judging & Educational Event (NJ&EE)

12. Junior Science & Humanities Symposium

- Management of Tri-Service STEM competition in direct coordination with the CAM
- Implementation of regional JSHS symposia in coordination with colleges and universities across the U.S. Puerto Rico and the DoDEA, Europe and Pacific, to include the following tasks:
 - Aligned outreach/marketing with AEOP priorities and objectives
 - Management (maintenance) of centralized applications/website
 - Integration of researchers from DoD and academia partners
 - Facilitation of program evaluations
- Program Milestones:

Jul	Dec – Apr	Apr/May	Apr – Oct	May - Sep
Identification of regional sites	Regional JSHS Symposia	National JSHS	Data Collection Financial Reports	Scholarship Agreements



12.JSHS (Cont.) – FY14 Numbers & Structure

Oral Presentation Stipend Awards
(\$168,000):

- \$12,000 (1st Place Category Winner)
- \$8,000 (2nd Place Category Winner)
- \$4,000 (3rd Place Category Winner)

52nd
National JSHS

230 JSHS Finalists
47 Teachers/Chaperones

Poster Session Stipend Awards
(\$2,400):

- \$1,000 (1st Place Winner)
- \$800 (2nd Place Winner)
- \$600 (3rd Place Winner)

Regional Stipend Awards
(\$235,000):

- \$2,000 (1st Place Winner)
- \$1,500 (2nd Place Winner)
- \$1,000 (3rd Place Winner)
- \$500 (Teacher Award)

Regional JSHS Symposia

7,500 High School Students
1,100 teachers

47 regional symposia held in cooperation with
universities across the U.S., Puerto Rico and the
DoDEA, Europe and Pacific

Students conduct and submit original research

13,000 applications from high school students across the U.S.,
Puerto Rico & the DoDEA, Europe and Pacific

12.JSHS (Cont.) – 10-Year Outlook

Description	FY14	Year 1	Year 5	Year 10
Student Participants	7,600	7,700	8,300	9,050
Teacher Participants	1,100	1,100	1,185	1,293
School Participation	1,100	1,100	1,185	1,293
# of Regional Sites	47	48	49	52
% of students registered from Title I Schools	10%	10%	18%	28%

Other Benchmarks for the JSHS Competition:

- Increased percentage of students registered from underrepresented populations
- Increased participants' awareness of DoD STEM careers
- Increased participants' awareness of AEOP and DoD STEM opportunities
- Increase outreach and retention of volunteers
- Increased student interest in pursuit of a DoD STEM career

First Year Approximate Allocation of Funds (Amounts in Thousands)

AEOP COA Fundamental Elements		Amount
1	Lead Organization COA Management	\$300
2	Program Evaluations: Data Collection, Assessment/Analysis, and Reports	400
3	Marketing and Communications	350
4	AEOP Alumni Management	200
5	Strategic Outreach Initiatives	800
6	AEOP Apprenticeship Management (includes stipend funds))	
	SEAP/CQL	4,450
	HSAP/URAP	80
	REAP	400
7	Gains in the Education of Math and Science (GEMS) <i>includes Camp Invention (CI) Initiative</i>	1,500
8	Unite	425
9	Research Experience for STEM Educators and Teachers (RESET)	125
10	Junior Solar Sprint (JSS)	175
11	eCYBERMISSION (eCM)	3,300
12	Junior Science & Humanities Symposium (JSHS)	2,000
TOTAL		\$14,505

QUESTIONS?

