Appendix A: FY22 Participant Counts

AEOP programs have different means of tracking participant data. The majority (84%) of participant data are tracked using the Cvent online registration system and 16% is tracked by the programs directly. To produce the tables below, we relied on both data sources and vetted counts with AEOP program staff. Due to the inconsistencies with how program staff utilize the Cvent system, the following caveats should be taken into consideration when reviewing the data: (1) Participation counts are provided for nine AEOP programs: Apprenticeships, Camp Invention, eCYBERMISSION, Fellowships, GEMS, JSHS, JSS, RESET, and Unite. (2) Sixteen percent (16%) of FY22 participation data was collected outside of the Cvent system. For these participants, demographic data are unavailable, with one exception – Unite provided the EDC team with aggregate counts of their FY22 participants' demographic data. We have included the Unite counts for FY22 reporting.

Table 1. Total FY22 Participant Counts, by Data Source

Data Source	CVENT records		Other records (collected outside of Cvent)		Total	
	count	percent	count	percent	count	percent
Apprenticeships	354	2.3%	114	3.7%	468	2.5%
Camp Invention	-	0.0%	2,105	68.7%	2,105	11.3%
eCYBERMISSION	9,435	60.8%	53	1.7%	9,488	51.1%
Fellowships	15	0.1%	-	0.0%	15	0.1%
GEMS	2,733	17.6%	16	0.5%	2,749	14.8%
JSHS	2,755	17.8%	-	0.0%	2,755	14.8%
JSS	163	1.1%	-	0.0%	163	0.9%
RESET	60	0.4%	13	0.4%	73	0.4%
Unite	-	0.0%	763	24.9%	763	4.1%
TOTAL	**15,515**	**100.0%**	**3,064**	**100.0%**	**18,579**	**100.0%**

Table 2. Total FY22 Participant Counts, by Student/Adult

	Student		Adult		Total	
	count	percent	count	percent	count	percent
Apprenticeships	354	2.0%	114	12.0%	468	2.5%
Camp Invention	2,105	11.9%	-	0.0%	2,105	11.3%
eCYBERMISSION	9,103	51.6%	385	40.5%	9,488	51.1%
Fellowships	15	0.1%	-	0.0%	15	0.1%
GEMS	2,698	15.3%	51	5.4%	2,749	14.8%
JSHS	2,755	15.6%	-	0.0%	2,755	14.8%
JSS*	135	0.8%	28	2.9%	163	0.9%
RESET	-	0.0%	73	7.7%	73	0.4%
Unite	463	2.6%	300	31.5%	763	4.1%
TOTAL	**17,628**	**100.0%**	**951**	**100.0%**	**18,579**	**100.0%**

*JSS participant counts for FY22 include Army sites only. In FY21, all sites were included. Going forward, we will report Army sites only.

Table 3. Total FY22 Participant Counts, by Participant Type

Participant Type	Apprentice-ships #	%	Camp Invention #	%	eCM #	%	Fellowships #	%	GEMS #	%	JSHS #	%	JSS #	%	RESET #	%	Unite #	%	TOTAL #	%
Student Participants																				
Elementary School (grades K-5)	-	-	1,873	89%	-	-	-	-	478	18%	-	-	89	55%	-	-	-	-	2,440	13%
Middle School (grades 6-8)	-	-	231	11%	7,741	82%	-	-	1,236	46%	-	-	41	25%	-	-	-	-	9,249	50%
High School (grades 9-12)	211	45%	1	-	1,362	14%	-	-	984	36%	2,755	100%	3	2%	-	-	463	61%	5,779	31%
Grade level unspecified or unknown (K-12)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Total K-12	**211**	**45%**	**2,105**	**100%**	**9,103**	**96%**	**-**	**-**	**2,698**	**100%**	**2,755**	**100%**	**133**	**82%**	**-**	**-**	**463**	**61%**	**17,468**	**94%**
Community College, Vocational, and/or Technical (culminates to associate degree, certificate, or diploma)	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	0%
Undergraduate (culminates to baccalaureate degree)	143	31%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	143	1%
Graduate (post-baccalaureate programs)	-	-	-	-	-	-	15	100%	-	-	-	-	1	0.6%	-	-	-	-	16	0%
Students of other Adult Education or Professional Programs (post-secondary)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Grade level unspecified or unknown	-	-	-	-	-	-	-	-	-	-	-	-	1	0.6%	-	-	-	-	1	0%
Total Postsecondary	**143**	**31%**	**-**	**-**	**-**	**-**	**15**	**100%**	**-**	**-**	**-**	**-**	**2**	**1.2%**	**-**	**-**	**-**	**0%**	**160**	**1%**
Total Number of Students (PK-12 and Postsecondary)	**354**	**76%**	**2,105**	**100%**	**9,103**	**96%**	**15**	**100%**	**2,698**	**100%**	**2,755**	**100%**	**135**	**83%**	**-**	**-**	**463**	**61%**	**17,628**	**95%**
Teacher/Educator Participants																				
Number of Teachers/Educational Professionals (providers)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	5%	36	0%
Number of Teachers/Educational Professionals (participants)	-	-	-	-	-	-	-	-	51	100%	-	-	23	14%	60	82%	-	-	134	1%
PreK - 12 Classroom Teachers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Two-year/Community College Instructors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Four-year College/University Instructors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	11%	87	0%
Principals, Leaders, Administrators of PreK - 12 Schools	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Leaders or Administrators of Post-secondary Institutions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Informal STEM Educators	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Program Developers or Organizations that provide informal STEM learning opportunities*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
unknown	-	-	-	-	-	-	-	-	-	-	-	-	5	3%	-	-	-	-	5	0%
Total Number of Teachers/Educators (PK-12 and Postsecondary)	**-**		**-**		**-**		**-**		**51**	**100%**	**-**	**-**	**28**	**17%**	**60**	**82%**	**123**	**16%**	**262**	**1%**
Mentor/Advisor																				
Mentors	114	24%	-	-	-	-	-	-	-	-	-	-	-	-	13	18%	109	14%	236	1%
Two-year/Community College Mentors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Four-year College/University Mentors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0%
Team Advisors	-	-	-	-	385	4%	-	-	-	-	-	-	-	-	-	-	-	-	385	2%
Total Number of Mentors/Advisors	**114**	**24%**	**-**	**-**	**385**	**4%**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**13**	**18%**	**109**	**14%**	**621**	**3%**
Other Adult Participants																				
Number of S&E Volunteers (not STEM educators)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Other Adults/Volunteers (not S&E Volunteers)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Education Researchers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Veteran Participants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adult, unknown role	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	9%	68	0%
Total Number of Other Adults	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**68**	**9%**	**68**	**0%**
Total Number of Adults	**114**	**24%**	**-**	**-**	**385**	**4%**	**-**	**-**	**51**	**-**	**-**	**-**	**28**	**17%**	**73**	**100%**	**300**	**39%**	**951**	**5%**
Grand Total	**468**	**100%**	**2,105**	**100%**	**9,488**	**100%**	**15**	**100%**	**2,749**	**100%**	**2,755**	**100%**	**163**	**100%**	**73**	**100%**	**763**	**100%**	**18,579**	**100%**

*including non-profit organizations and citizen and community science and technology initiatives.

Notes: GEMS: The 984 high school students participating in GEMS in FY22 includes 173 who served as mentors. In other programs, mentors are included in Adult counts. RESET: This program does not have student participants.

Table 3 Caveats:

- Most programs tracked FY22 program participants using a specific registration path within the Cvent system that represents one of the following categories: Student (K-12 and Postsecondary), Teacher (K-12), Mentor (including near-peer and team advisors), and Other adults (including Army/DoD and other S&E professionals, faculty, and volunteers). The total participation count for individuals was 18,579 with students (17,628); teachers (264); mentors (621), and other adults (68).
- The zero counts reported for some categories (education researchers, informal STEM educators, etc.) may be inaccurate, as these categories were not used when collecting participant data.
- As we were preparing this report, the EDC evaluation team was asked to help coordinate data for the DASA RT data call for FY22. This data call had a request for the number of Army Science and Engineer (S&E) professionals. We collected data from seven of the nine programs (the ask did not include Camp Invention or Fellowships). Only the 114 Mentors (also Army S&E professionals) are included in our reporting because they represent a participant category we report. However, a total of 48 additional Army S&E professionals were reported (JSHS – 23 at national level, Unite – 10, JSS – 2, and RESET – 13). Because these Army S&E professionals would have already been reported as Adult participants for these program, we are not including the 48 in the table above so as not to double-count participation.

Table 3a. Total FY21 Participant Counts, by Participant Type, K-12 breakdown

Participant Type	Apprentic eships	Camp Invention	eCYBER MISSION	Fellowships	GEMS	JSHS	JSS	RESET ^	Unite	TOTAL
Elementary School (grades K-5)	-	1,873	-	-	478	-	89	-	-	**2,440**
Middle School (grades 6-8)	-	231	7,741	-	1,236	-	41	-	-	**9,249**
High School (grades 9-12)	211	1	1,362	-	984	2,755	3	-	463	**5,779**
Grade level unspecified or unknown (K-12)	-	-	-	-	-	-	-	-	-	**-**
Total K-12	**211**	**2,105**	**9,103**	**-**	**2,698**	**2,755**	**133**	**-**	**463**	**17,468**

^RESET serves teachers and does not have student participants.

Table 3b. Total FY21 Participant Counts, by Participant Type, Postsecondary breakdown

Participant Type	Apprentic eships	Camp Invention	eCYBER MISSION	Fellowships	GEMS	JSHS	JSS	RESET ^	Unite	TOTAL
Community College, Vocational, and/or Technical (culminates to associate degree, certificate, or diploma)	-	-	-	-	-	-	-	-	-	**-**
Undergraduate (culminates to baccalaureate degree)	143	-	-	-	-	-	-	-	-	**143**
Graduate (post-baccalaureate programs)	-	-	-	15	-	-	1	-	-	**16**
Students of other Adult Education or Professional Programs (post-secondary)	-	-	-	-	-	-	-	-	-	**-**
Grade level unspecified or unknown	-	-	-	-	-	-	1	-	-	**1**
Total Postsecondary	**143**	**-**	**-**	**15**	**-**	**-**	**2**	**-**	**-**	**160**

^RESET serves teachers and does not have student participants.

Table 4. Total FY22 Participant Counts, by Gender and Identity

How do you identify?	Apprentice ships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Female	198	42%	1,018	48%	4,236	45%	10	67%	1,273	46%	1,537	55%	82	50%	34	47%	266	35%	8,654	46%
Male	152	32%	1,067	51%	4,562	48%	5	33%	1,428	52%	1,044	37%	78	48%	23	32%	197	26%	8,556	46%
Non-Binary	3	1%	-	-	165	2%	-	-	10	0%	21	1%	-	-	-	-	-	-	199	1%
Other	-	-	-	-	105	1%	-	-	6	0%	5	0.2%	-	-	-	-	-	-	116	1%
Choose not to report	-	-	-	-	367	4%	-	-	16	1%	29	1%	3	2%	1	1%	-	-	416	2%
missing data^	1	0.2%	20	1%	-	-	-	-	8	0%	71	2.5%	-	-	-	-	-	-	100	1%
data unavailable*	114	24%	-	-	53	1%	-	-	8	0%	48	0.0%	-	-	15	21%	300	39%	538	3%
Total	468	100%	2,105	100%	9,488	100%	15	100%	2,749	100%	2,755	96%	163	100%	73	100%	763	100%	18,579	100%

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 4a. Student-only FY22 Participant Counts, by Gender and Identity

How do you identify?	Apprentic eships	Camp Invention	eCYBER MISSION	Fellowshi ps	GEMS	JSHS	JSS	RESET	Unite	TOTAL
Female	198	1,018	3,960	10	1,244	1,537	61	NA	266	**8,294**
Male	152	1,067	4,463	5	1,416	1,044	71	NA	197	**8,415**
Non-Binary	3		165		10	21		NA	-	**199**
Other			105		6	5		NA	-	**116**
Choose not to report			366		15	29	3	NA	-	**413**
missing data^	1	20			3	71		NA	-	**95**
data unavailable*			44		4	48		NA		**96**
Total	**354**	**2,105**	**9,103**	**15**	**2,698**	**2,755**	**135**	**NA**	**463**	**17,628**

^RESET serves teachers and does not have student participants.

Table 5. Total FY22 Participant Counts, by Race/Ethnicity

	Apprenticeships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Asian	98	21%	112	5%	1,384	15%	2	13%	581	21%	1,040	37%	13	8%	2	3%	28	4%	3,260	17%
Black or African American	49	10%	652	31%	1,177	12%	1	7%	694	25%	92	3%	16	10%	10	14%	201	26%	2,892	16%
Hispanic or Latino	32	7%	630	30%	1,923	20%	-	-	202	7%	138	5%	6	4%	2	3%	111	15%	3,044	16%
Native American or Alaskan Native	-	-	13	1%	67	1%	-	-	7	0.3%	12	0.4%	1	1%	-	-	10	1%	110	1%
Native Hawaiian or other Pacific Islander	1	0.2%	6	0%	48	1%	-	-	6	0.2%	7	0.2%	-	-	1	1%	2	0%	71	0%
White or Caucasian	127	27%	480	23%	3,009	32%	8	53%	823	30%	888	32%	100	61%	36	49%	84	11%	5,555	30%
More than one race	39	8%	-	-	811	9%	3	20%	220	8%	246	9%	11	7%	3	4%	37	5%	1,370	7%
Other	2	0.4%	109	5%	296	3%	-	-	55	2%	23	1%	3	2%	-	0%	1	0%	489	3%
Choose not to report	5	1%	-	-	720	8%	1	7%	147	5%	190	7%	13	8%	4	5%	-	-	1,080	6%
missing data^	1	0.2%	103	5%	-	-	-	-	6	0.2%	71	3%	-	-	-	-	-	-	181	1%
data unavailable*	114	24%	-	-	53	1%	-	-	8	0.3%	48	-	-	-	15	21%	289	38%	527	3%
Total	**468**	**100%**	**2,105**	**100%**	**9,488**	**100%**	**15**	**100%**	**2,749**	**100%**	**2,755**	**96%**	**163**	**100%**	**73**	**100%**	**763**	**100%**	**18,579**	**100%**

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 5a. Student-only FY22 Participant Counts, by Race/Ethnicity

	Apprentic eships	Camp Invention	eCYBER MISSION	Fellowshi ps	GEMS	JSHS	JSS	RESET	Unite	TOTAL
Asian	98	112	1318	2	580	1,040	13	NA	-	3,163
Black or African American	49	652	1149	1	687	92	13	NA	-	2,643
Hispanic or Latino	32	630	1897		196	138	4	NA	-	2,897
Native American or Alaskan Native		13	65		7	12	1	NA	-	98
Native Hawaiian or other Pacific Islander	1	6	47		6	7		NA	-	67
White or Caucasian	127	480	2796	8	797	888	78	NA	-	5,174
More than one race	39	-	801	3	218	246	10	NA	-	1,317
Other	2	109	287		55	23	3	NA	-	479
Choose not to report	5	-	699	1	145	190	13	NA	-	1,053
missing data^	1	103			3	71		NA	-	178
data unavailable*		-	44		4	48		NA	463	559
Total	**354**	**2,105**	**9,103**	**15**	**2,698**	**2,755**	**135**	**-**	**463**	**17,628**

^RESET serves teachers and does not have student participants.

Table 6. Total FY22 Participant Counts, by Low-SES

Do you qualify for free/reduced-price lunch?	Apprentices hips		Camp Invention		eCYBERMI SSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Yes	68	15%	1,465	70%	3,685	39%	-	-	580	21%	376	13%	30	18%	-	-	350	46%	6,554	35%
No	138	29%	-	-	3,227	34%	-	-	1,931	70%	2,093	75%	89	55%	-	-	-	-	7,478	40%
Choose not to report	9	2%	-	-	2,159	23%	-	-	155	6%	166	6%	16	10%	-	-	-	-	2,505	13%
missing data^	139	30%	640	30%	364	4%	15	100%	75	3%	72	2.6%	28	17%	58	79%	-	-	1,391	7%
data unavailable*	114	24%	-	-	53	1%	-	-	8	0.3%	48	-	-	-	15	21%	413	54%	651	4%
Total	**468**	**100%**	**2,105**	**100%**	**9,488**	**100%**	**15**	**100%**	**2,749**	**100%**	**2,755**	**96%**	**163**	**100%**	**73**	**100%**	**763**	**100%**	**18,579**	**100%**

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 7. Total FY22 Participant Counts, by School Setting

What best describes your school setting?	Apprenticeships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Rural or Tribal/Frontier School (combined)	**30**	6%	**424**	20%	**436**	5%	**-**	**-**	**264**	10%	**165**	6%	**52**	32%	**15**	21%	**83**	11%	1,469	8%
					-															
City	-	-	-	-	3211	34%	-	-	3	0%	2	0.1%	1	0.6%	1	1%	-	-	3,218	17%
Department of Defense School (DoDEA or DoDDS)	-	-	-	-	103	1%	-	-	10	0%	42	1%	-	-	1	1%	-	-	156	1%
Frontier or Tribal School	-	-	-	-	23	0%	-	-	-	-	2	0.1%	-	-	-	-	-	-	25	0%
Home School	3	1%	-	-	23	0%	-	-	122	4%	7	0.2%	3	2%	-	-	-	-	158	1%
Online School	2	0%	-	-	22	0%	-	-	28	1%	5	0.2%	-	-	-	-	-	-	57	0%
Rural (country)	30	6%	424	20%	413	4%	-	-	264	10%	163	6%	52	32%	15	21%	83	11%	1,444	8%
Suburban	108	23%	-	-	5192	55%	3	20%	1585	58%	1791	64%	52	32%	8	11%	-	-	8,739	47%
Urban (city)	68	15%	-	-	-	-	-	-	653	24%	581	21%	40	25%	15	21%	127	17%	1,484	8%
Other	4	1%	-	-	310	3%	-	-	38	1%	13	0%	4	2%	-	-	-	-	369	2%
Not Applicable	-	-	-	-	138	1%	-	-	-	-		-	-	-	-	-	-	-	138	1%
Choose not to report	3	1%	-	-	-	-	-	-	24	1%	29	1%	6	4%	3	4%	-	-	65	0%
missing data^	136	29%	1,681	80%	-	-	12	80%	14	1%	72	2.6%	5	3%	15	21%	-	-	1,935	10%
data unavailable*	114	24%	-	-	53	1%	-	-	8	0%	48	-	-	-	15	21%	553	72%	791	4%
Total	**468**	**100%**	**2,105**	**100%**	**9,488**	**100%**	**15**	**100%**	**2,749**	**100%**	**2,755**	**96%**	**163**	**100%**	**73**	**100%**	**763**	**100%**	**18,579**	**100%**

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 8. Total FY22 Participant Counts, by Disability Status

Do you currently have a disability?	Apprentices hips		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Yes, I have a disability (or previously had a disability)	25	5%	72	3%	3	0.03%	-	-	119	4%	87	3%	6	4%	3	4%	30	4%	345	2%
No, I do not have a disability	312	67%	-	-	28	0.3%	14	93%	2,545	93%	2,401	86%	147	90%	50	68%	-	-	5,497	30%
Choose not to report	16	3%	-	-	-	-	1	7%	70	3%	147	5%	10	6%	5	7%	-	-	249	1%
missing data^	1	0.2%	2,033	97%	9,404	99%	-	-	7	0.3%	72	2.6%	-	-	-	-	-	-	11,517	62%
data unavailable*	114	24%	-	-	53	1%	-	-	8	0.3%	48	-	-	-	15	21%	733	96%	971	5%
Total	468	100%	2,105	100%	9,488	100%	15	100%	2,749	100%	2,755	96%	163	100%	73	100%	763	100%	18,579	100%

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 9. Total FY22 Participant Counts, by ELL Status

What is the primary language you use at home? Is English your primary language?	Apprentice ships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
English	283	60%	-	0%	7,549	80%	14	93%	2,534	92%	2,190	79%	151	93%	57	78%	-	0%	12,778	69%
Other language	69	15%	411	20%	1,420	15%	1	7%	180	7%	396	0	7	4%	-	0%	53	7%	2,537	14%
Choose not to report	1	0%	-	0%	466	5%	-	0%	21	1%	50	2%	5	3%	1	1%	-	0%	544	3%
missing data^	1	0%	1,694	80%	-	0%	-	0%	6	0%	71	3%	-	0%	-	0%	-	0%	1,772	10%
data unavailable*	114	24%	-	0%	53	1%	-	0%	8	0%	48	-	-	0%	15	21%	710	93%	948	5%
Total	468	100%	2,105	1	9,488	100%	15	100%	2,749	100%	2,755	98%	163	100%	73	100%	763	100%	18,579	100%

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 10. Total FY22 Participant Counts, by First Generation College Status

Did a parent/guardian graduate from college?	Apprenticeships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Yes	290	62%	-	-	7052	74%	12	80%	2469	90%	2363	84%	100	61%	3	4%	227	30%	12,516	67%
No	51	11%	625	30%	922	10%	2	13%	170	6%	189	7%	27	17%	1	1%		0%	1,987	11%
Choose not to report	11	2%	-	-	1098	12%	1	7%	62	2%	83	3%	8	5%	-	-	-	-	1,263	7%
missing data^	2	0.4%	1480	70%	363	4%	-	-	40	1%	72	2.6%	28	17%	54	74%	-	-	2,039	11%
data unavailable*	114	24%	-	-	53	0.6%	-	-	8	0.3%	48	-	-	-	15	21%	536	70%	774	4%
Total	**468**	100%	**2,105**	100%	**9,488**	100%	**15**	100%	**2,749**	100%	**2,755**	96%	**163**	100%	**73**	100%	**763**	**100%**	18,579	100%

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.

Table 11. Student-only FY22 Participant Counts, by Underserved or Underrepresented Groups

	Apprentic eships	Camp Invention	eCYBER MISSION	Fellowships	GEMS	JSHS	JSS	RESET ^	Unite	TOTAL
Female	198	1,018	3,960	10	1,244	1,537	61	NA	266	**8,294**
Racial/ethnic minority	123	1,410	4,246	4	1,169	518	31	NA	0	7,501
Low-income: In preK-12, those who qualify for free and reduced-price meal (FARM) programs; in post-secondary, those who qualify for Pell Grants. This may also include Title 1 schools.*	68	1,465	3,683	NA	580	376	30	NA	350	6,552
Individuals with disabilities: as defined by the Americans with Disabilities Act (ADA)**	25	72	1	-	116	87	4	NA	30	335
ESL/ELL: Individuals with English as a second language (ESL) or English language learners (ELLs)	69	411	1,361	1	178	396	7	NA	53	2,082
First-generation college students	51	625	921	0	168	189	27	NA	0	1372
Rural Students: Students in rural areas.***	30	424	367	0	256	163	44	NA	83	986
Military Dependent	48	242	1000	0	521	125	42	NA	29	2007

^RESET serves teachers and does not have student participants.

*Low-income status counts are inclusive of FARM eligibility, Pell Grants, and Title I Schools. Note that the JSHS program uses two criteria to determine low-SES status (free and reduced lunch and family's taxable income for preceding year was 150% or less of the poverty level). The latter data are not collected in Cvent and therefore only the JSHS participants that meet the free and reduced-price lunch criteria are included in these counts.

**There is a high percentage of missing data (62%) for the registration question about disability, so it is likely that this count underrepresents the participants with disabilities across AEOP programs.

***Rural data are collected via a participant registration question that asks about school setting. We do not have rural data by zip code or location.

Table 12. Total FY22 Participant Counts, by Military Dependent Status

	Apprenticeships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
At least one parent/guardian is a member of the Active Duty Armed Forces	9	2%	-	-	202	2%	-	-	151	5%	25	1%	16	10%	-	-	29	4%	432	2%
At least one parent/guardian is a member of the National/Air National Guard or a member of the Reserves (Army, Navy, Air Force, Marines)	5	1%	-	-	229	2%	-	-	43	2%	8	0.3%	1	1%	-	-	-	-	286	2%
At least one parent/guardian is a Veteran	34	7%	-	-	569	6%	-	-	327	12%	92	3%	25	15%	-	-	-	-	1047	6%
Total Military Dependent	**48**	**10%**	**242****	**11%**	**1,000**	**11%**	**-**	**-**	**521**	**19%**	**125**	**4%**	**42**	**26%**	**-**	**-**	**29**	**4%**	**2,007**	**11%**
My parent(s)/guardian(s) is/are not involved in the military	291	62%	-	-	5,895	62%	3	20%	2,016	73%	2,361	84%	83	51%	-	-	-	-	10,649	57%
No	1	0.2%	-	-	-	-	8	53%	1	0.0%	6	0.2%	-	-	-	-	-	-	16	0%
Choose Not to Report	-	-	-	-	1,243	13%	3	20%	-	-		-	-	-	-	-	-	-	1,246	7%
Choose Not to Report or Unsure	12	3%	-	-	-	-	-	-	147	5%	143	5%	10	6%	-	-	-	-	312	2%
Unsure	-	-	-	-	933	10%	1	7%	-	-			-	-	-	-	-	-	934	5%
missing data^	2	0.4%	1,863	89%	364	4%	-	-	56	2%	72	2.6%	28	17%	73	100%	-	-	2,458	13%
data unavailable*	114	24%	-	-	53	1%	-	-	8	0.3%	48	-	-	-	-	-	734	96%	957	5%
Total	468	100%	2,105	100%	9,488	100%	15	100%	2,749	100%	2,755	96%	163	100%	73	100%	763	100%	18,579	100%

^The participant did not provide a response to this question.
*The participant's data was not collected using the Cvent registration system or provided directly by the program.
**Note: data from Camp Invention provided included a total for "Military child – dependents of members of the Active Duty Armed Forces" and did not breakout.

Table 12a. Student-only FY22 Participant Counts, by Military Dependent Status

	Apprenticeships	Camp Invention	eCYBER MISSION	Fellowships	GEMS	JSHS	JSS	RESET ^	Unite	TOTAL
Military child – dependents of members of the Active Duty Armed Forces	48	242	1,000	0	521	125	42	NA	29	2,007

^RESET serves teachers and does not have student participants.

Table 13. Student-only FY22 Participant Counts, by Underserved Status

Number of underserved criteria met	Apprenticeships	Camp Invention	eCM	Fellowships	GEMS	JSHS	JSS	RESET	Unite	Total
0	45	51	419	1	33	10		NA	unknown	**559**
1	72	181	1,902	7	552	611	22	NA	unknown	**3,347**
2	84	853	2,764	4	950	1,178	55	NA	unknown	**5,888**
3	85	683	2,230	1	720	477	37	NA	unknown	**4,233**
4	40	293	1,251	2	318	173	16	NA	unknown	**2,093**
5	24	38	414		108	93	4	NA	unknown	**681**
6	4	6	79		13	22	1	NA	unknown	**125**
7						1		NA	unknown	**1**
data unavailable*	-		44	-	4	190	-	NA	463	**701**
Total	**354**	**2,105**	**9,103**	**15**	**2,698**	**2,755**	**135**	**-**	**463**	**17,628**

*The participant's data was not collected using the Cvent registration system or provided directly by the program.
Notes: Excluded Unite since do not have individual-level demographic data. RESET does not have student participants.

> **Underserved Definition**
> *The criteria for meeting AEOP's definition of underserved includes the following:*
> - *attend a rural, urban, or frontier/tribal school*
> - *low-income students (FARMS)*
> - *females in certain STEM fields (e.g. physical science, computer science, mathematics or engineering)**
> - *identify as racial/ethnic minority in STEM (i.e., Alaska Native, Native American, Black or African American, Hispanic, Native Hawaiian and other Pacific Islander, other)*
> - *students with English as a second language (ELL)*
> - *first generation college student (1stGEN)*
> - *students with disabilities (ADA)*
> - *a dependent of a military service member or veteran.*
>   - *Military child – dependents of members of the Active Duty Armed Forces*
>   - *Military-connected – military child plus the dependents of members of the National Guard and Reserves*
>   - *Military-affiliated – military-connected plus the dependents of Veterans*
>   - *Military-connected schools – schools where a minimum of 15% of the student population is military-connected*

Underserved Notes:
- Female only considered underserved for some programs depending on STEM content area
- JSHS uses additional criteria for low-SES
- Unite only provided aggregate counts; because we do not have data at the participant level, we cannot accurately determine how many criteria were met by each participant. We can only report the highest number for all categories and say that at least 350 participants met one criteria.
- Due to the nature of programming and STEM disciplines included in CI, GEMS, eCYBERMISSION, JSS and Unite, ALL female participants will be considered a criterion for underserved. For JSHS and the Apprenticeship programs, only females engaged in certain STEM fields (e.g. physical science, computer science, mathematics or engineering) should be considered as a criteria for underserved. STEM fields will be identified by Judging Category (JSHS) and/or Abstract submission (JSHS/Apprenticeships).

Table 14. Adult-only FY22 Participant Counts, by Participant Type

Participant Type	Participant Type	Apprenticeships	Camp Invention	eCYBERMISSION	Fellowships	GEMS	JSHS	JSS	RESET	Unite	TOTAL
Teacher/Educator Participants	Number of Teachers/Educational Professionals (providers)	-	-	-	-	-	-	-	-	36	36
	Number of Teachers/Educational Professionals (participants)	-	-	-	-	51	-	23	60	-	134
	PreK - 12 Classroom Teachers	-	-	-	-	-	-	-	-	-	-
	Two-year/Community College Instructors	-	-	-	-	-	-	-	-	-	-
	Four-year College/University Instructors	-	-	-	-	-	-	-	-	87	87
	Principals, Leaders, Administrators of PreK - 12 Schools	-	-	-	-	-	-	-	-	-	-
	Leaders or Administrators of Post-secondary Institutions	-	-	-	-	-	-	-	-	-	-
	Informal STEM Educators	-	-	-	-	-	-	-	-	-	-
	Program Developers or Organizations that provide informal STEM learning opportunities (including non-profit organizations and citizen and community science and technology initiatives)	-	-	-	-	-	-	-	-	-	-
	unknown	-	-	-	-	-	-	5	-	-	5
	Total Number of Teachers/Educators (PK-12 and Postsecondary)	**-**	**-**	**-**	**-**	**51**	**-**	**28**	**60**	**123**	**262**
Mentor/Advisor Participants	Mentors	114	-	-	-	-	-	-	13	109	236
	Two-year/Community College Mentors	-	-	-	-	-	-	-	-	-	-

	Four-year College/University Mentors	-	-	-	-	-	-	-	-	-	-
	Team Advisors	-	-	385	-	-	-	-	-	-	385
	Total Number of Mentors/Advisors	**114**	**-**	**385**	**-**	**-**	**-**	**-**	**13**	**109**	**621**
Other Adult Participants	Number of S&E Volunteers (not STEM educators)	-	-	-	-	-	-	-	-	-	-
	Number of Other Adults/Volunteers (not S&E Volunteers)	-	-	-	-	-	-	-	-	-	-
	Education Researchers	-	-	-	-	-	-	-	-	-	-
	Number of Veteran Participants	-	-	-	-	-	-	-	-	-	-
	Adult, unknown role	-	-	-	-	-	-	-	-	68	68
	Total Number of Other Adults	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**68**	**68**
	Total Number of Adults	**114**	**-**	**385**	**-**	**51**	**-**	**28**	**73**	**300**	**951**

Tables 4-13 Caveats
- Sixteen percent (16%) of FY22 participation data was collected outside of the Cvent system. For these participants, demographic data are unavailable, with one exception – Unite provided the EDC team with aggregate counts of their FY22 participants' demographic data. We have included the Unite counts for FY22 reporting.
- Demographic data represents nine programs: Apprenticeships, Camp Invention, eCYBERMISSION, Fellowships, GEMS, JSHS JSS, RESET, and Unite. Counts represent both student (PK-12 and postsecondary) and adult participation (teachers, mentors, other). This allows for reporting demographic data for RESET which only serves adults.
- The JSHS program uses two criteria to determine low-SES status (free and reduced lunch and family's taxable income for preceding year was 150% or less of the poverty level). The latter data are not collected in Cvent and therefore only the JSHS participants that meet the free and reduced-price lunch criteria are included in these counts.

- Not all programs collected the same demographic data of their participants, and, as such, there are missing data for some categories, as shown in the table below.

Demographic Category	% missing data^	% data unavailable*
Gender and Identity	1	3
Race/Ethnicity	1	3
Low-SES/FRL	7	4
School Setting	10	4
Disability	62	5
ELL	10	5
First Generation College	11	4
Military Dependent	13	5

^The participants did not provide a response to this question or the participants were not asked to share this information.
*The participants' data were not collected using the Cvent registration system.

- Rural and urban school setting data are collected via a participant registration question that asks about school setting. We do not have rural data by zip code or location.
- There is a high percentage of missing data (62%) for the registration question about disability, so it is likely that this count underrepresents the participants with disabilities across AEOP programs.

Note: In comparison to FY22 participant data collection, the percent of unavailable data has decreased for **all** demographic categories, including:

Demographic Category	% data unavailable*	
	FY21	FY22
Gender and Identity	6%	3%
Race/Ethnicity	6%	3%
Low-SES/FRL	7%	4%
School Setting	8%	4%
Disability	9%	5%
ELL	9%	5%
First Generation College	8%	4%
Military Dependent	9%	5%

*The participants' data were not collected using the Cvent registration system.

Table 15. Total FY22 Participant Counts, by Organization Type

Organization Type		Apprenticeships		Camp Invention		eCYBERMISSION		Fellowships		GEMS		JSHS		JSS		RESET		Unite		TOTAL	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
PK-12 Schools	Title I Schools	-	-	24	92%	135	15%	-	-	472	31%	279	32%	1	14%	30	70%	-	-	941	27%
	Department of Defense School (DoDEA or DoDDS)	-	-	-	-	7	1%	-	-	-	-	15	2%	-	-	1	2%	-	-	23	1%
	Other (not Title I or DoDEA/DoDDS)	34	29%	2	8%	244	27%	-	-	1,009	65%	581	66%	-	-	4	9%	-	-	1,874	53%
	Total Number of PK-12 Schools	**34**	**29%**	**26**	**100%**	**386**	**43%**	**-**	**-**	**1,481**	**96%**	**875**	**100%**	**1**	**14%**	**35**	**81%**	**-**	**-**	**2,838**	**80%**
Colleges & Universities	Two-year College/Community College	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Four-year College/University	68	57%	-	-	204	23%	-	-	44	3%	-	-	-	-	1	2%	24	100%	341	10%
	HBCU	-	-	-	-	9	1%	-	-	2	0.1%	-	-	-	-	-	-	-	-	11	0.3%
	HSI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TCU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Disability-focused colleges/universities	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other, unknown focus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Number of Colleges & Universities	**68**	**57%**	**-**	**-**	**213**	**24%**	**-**	**-**	**46**	**3%**	**-**	**-**	**-**	**-**	**1**	**2%**	**24**	**100%**	**352**	**0**
Other Organizations	DoD Labs, Facilities or Installations*	17	14%	-	-	55	6%	2	100%	16	2%	-	-	4	57%	7	16%	-	-	101	2.9%
	U.S. Federal Government	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Indian/Native American Tribal Government	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Industry Partners	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Informal Educational/Research Institution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Non-profit Organization	-	-	-	-	-	-	-	-	-	-	-	-	2	29%	-	-	-	-	-	-
	For-profit Organization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	International Organization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Other, unknown focus	-	-	-	-	249	28%	-		-	-	-	-	-	-	-	-	-	-	249	7.0%
	Total Number of Other Organizations	**17**	**14%**	**-**	**-**	**304**	**34%**	**2**	**100%**	**16**	**2%**	**-**	**-**	**6**	**86%**	**7**	**16%**	**-**	**-**	**350**	**10%**
	Total	**119**	**100%**	**26**	**100%**	**903**	**100%**	**2**	**100%**	**1,541**	**101%**	**875**	**100%**	**7**	**100%**	**43**	**100%**	**24**	**100%**	**3,540**	**100%**

*These are locations specific to the DoD Components. The Components include the Office of the Secretary of Defense, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within DoD.

Table 15 Caveats:
- These counts represent what AEOP programs reported using a spreadsheet that our team created for them to complete.
- Most programs track colleges and universities as a category without specifying 2-year or 4-yr. Counts for 2-yr and 4-yr are included if available.
- Counts of Minority Serving Institutions (MSIs) may reflect duplication if the AEOP program also included them in 2-yr, 4-yr, or other college and university counts. We err on reporting these counts as unique institutions because we cannot verify duplication.

Table 16. Total FY22 Participant Counts, by Organization Type

	Apprenticeships	Camp Invention	eCYBER MISSION	Fellowships	GEMS	JSHS	JSS	RESET^	Unite	TOTAL
Number of PK-12 Schools (total count reached/involved)	34	26	386	**0**	1,481	875	1	35	0	2,838
Number of Colleges & Universities (total count of post-secondary institutions involved)	68	0	213	**0**	44	0		1	24	352
Number of DoD Labs, Facilities or Installations (total count of DoD/DoDEA bases, installations, facilities, or laboratories*)	17	0	55	2	16	0	4	7	0	101
Industry Partners (total count of industry partners involved)	0	0	0	**0**	0	0	0	0	0	0
Total	119	26	654	2	1,541	875	5	43	24	3,291

Note: The counts in this table do not represent the total number of organizational participants (n=3,540). AEOP programs reported the participation of an additional 464 organizations that are not represented in the table above. These organizations include government, research institutions, non-profit and for-profit organizations, and others that were not categorized. The distribution of these additional organizational participants across the programs is as follows: eCYBERMISSION (n=249).