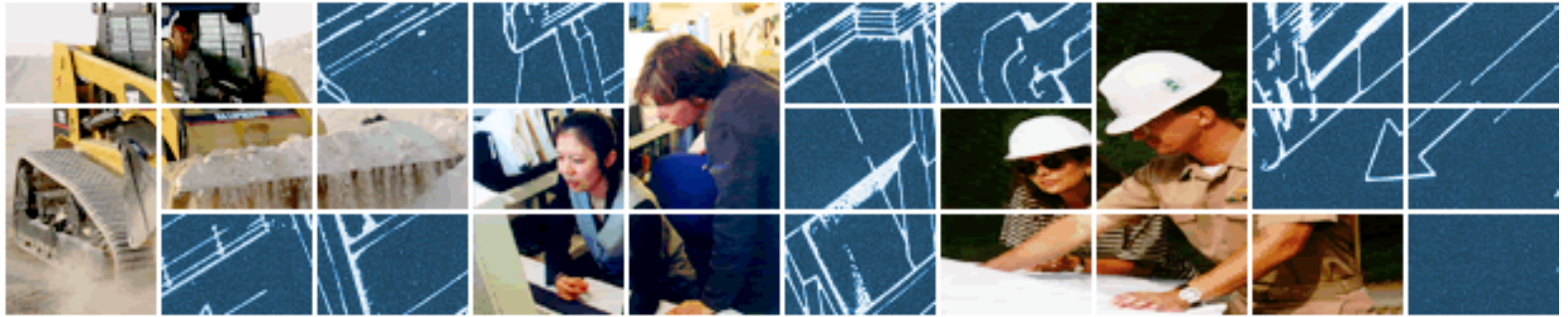


THE SOCIETY OF AMERICAN MILITARY ENGINEERS



SAME Boston Post Outreach Program

May 2017

Outreach Program 1999-2017

- Started in 1999 as a volunteer activity program with no budget.
- By 2011 the Program had grown:
 - 30 volunteers and annual budget of \$20,000
 - Served 1350 students and teachers
- In 2017 the Program is now supported by:
 - 45 volunteers and annual budget of \$32,000
 - Serving 4,440 students and teachers (\$8/student)

Middle School Rocket Clubs



“I wanted the students to develop a love for science, technology, engineering and math, and see the relationship between them.”

- 7 After-School Rocket Clubs
- Over 250 7th and 8th grade students
- 350 students watching the launches
- **June Launches – Volunteers Needed!**



FIRST Lego & Robotics Teams

- 2 Lego (middle school)/7 robotics (high school) teams solving today's problems
- 350 students designing, building and programming robots



“FIRST has introduced me to a world that I had never conceived. It has opened my eyes... Teamwork makes the dream work.”

Community Science



- Scituate Science Spectacular (a national model)
- 3rd grader – “I am going to grow up and be a scientist!”



Engineering Camps and Clubs

- Middle School Engineering Clubs – NASA Control Room Operations and Engineers Day
- Working w/U.S. Air Force, U.S. Coast Guard and U.S. Naval Academies
- Sponsor 2 students to attend week-long STEM Camps
- Tours of the Cape Cod Canal with the USACE New England District



MathCounts Competitions



- Over 900 students from 118 middle schools
- Post supported 4 eastern MA chapter competitions
- Students tested in their ability, agility and prowess in complex math
- Top 25 teams and 40 individuals go to states
- One MA team competes at Nationals in DC; won 2012 & 2013

BioEngineering Symposium

- 32 high school students and 2 teachers (school vacation wk)
- 3 days visiting Deer Island, Biogen Idec, U.S. Army Corps of Engineers, Organogenesis & CBI



“This experience opened my eyes to a whole new kind of engineering”



amec
foster
wheeler

8th Grade Women in STEM Event

- “Expose, encourage, inform and guide students into STEM Careers”
- 175 8th grade girls and 14 science teachers from 7 middle schools
- Opening speaker NASA Engineer - graduate of BioEngineering Symposium



Military Family Readiness



- \$2,500 supporting veterans and families
- Send-off and welcome home ceremonies, family support services

- Career panel transitioning out of the service, “Family Readiness - Our office received rave reviews about the team”

