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FALL 2013
United States Naval Academy

STEM OFFICE
Rickover Hall Room 367
590 Holloway Road
Annapolis, MD 21402
p: 410-293-6534
f: 410-293-3041

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MIDN 1/C Matthew Lafleur is an Oceanography major, who has participated in many STEM events, including STEM Family Day. STEM events provide a great opportunity for midshipmen to fine-tune their leadership and communication skills. “Midshipmen were constantly engaged with faculty and their kids,” said Lafleur. “We ensured things were running smoothly between stations and everything was being provided. Preparation was phenomenal.”

“The Naval Academy has a lot to offer with regards to STEM. The laboratories are among the best in the country and should be experienced by anyone who is interested. Sparking interest at an early age can pay dividends in the future.”

- MIDN 1/C Matthew Lafleur, on the impact of STEM Family Day

**STEM Family Day**

Sept 14, 2013

- 72 adults
- 71 children
- 9 midshipmen
- 3 faculty

Held in Rickover Hall, the event allowed families of Naval Academy faculty and staff to experience interactive STEM activities and explore the engineering lab spaces.
“Growing up, I always knew I wanted to become an engineer. The ability to cause others to be excited about something you’re excited about is exciting for me. To see people grow, and that light bulb moment is one of the most satisfying things I get from STEM.

I definitely believe STEM is helping me become a better officer, because I’m getting better at articulating what I am thinking, especially in technical aspects. Before I came to the Academy, I really wasn’t that great at talking about anything, especially communicating technical ideas...

STEM has definitely made me more sure that I want to go into the nuclear power field, because I’ve been able to work closely with the professors here in the Engineering Department.”

- MIDN 3/C Luke Riewestahl

Teacher STEM Workshop: Sept 14, 2013

- Educator Workshops included a Sea Perch ROV build, an exchange of cross-curricula development for STEM subjects, and project based learning workshops in robotics, alternative energy, electricity, engineering design and applied math.
- 60 K-12 teachers from 49 schools attended the training, provided by 7 faculty and 22 midshipmen.
Candidate Visit Weekends

- 250 high school students and prospective USNA candidates plus their parents
- Friday afternoon tour of the lab project spaces, personalized by a STEM major
- Panel discussion on the “Life of a STEM Mid” featuring majors from Division 1 and 2

“With STEM [tours], we get a lot of time in the lab spaces, so I get to learn a lot of different backgrounds from different majors. By doing STEM, I get to learn a little bit about every department.”

- MIDN 1/C Hollins, on his participation in Candidate Visit Tours
In the summer of 2010, Alexandria Segovia was finishing sophomore year of high school in Florida when a friend sent her an application to the Naval Academy Summer STEM Program. She didn’t know anything about the Naval Academy, but she decided to apply because she knew she liked science.

Alexandria had a great experience at STEM Camp, meeting kids from all over the country who shared the same interests. For a whole week, the students became scientists, engineers and technologists, collecting weather data, building and launching rockets, riding hovercraft, and lots more. Not only that, but Alexandria had the chance to talk to midshipmen and faculty who told her about so many different STEM fields, that she left the program certain she wanted to be an engineer, determined to go to the Naval Academy, and excited about her future.

Today, Alexandria is a systems engineering major in her second year at the Naval Academy. The USNA STEM program has influenced the lives of so many students who, like Alexandria, were inspired by that experience to pursue their dream of becoming a scientist or an engineer.

"After coming to Summer STEM, I fell in love with the Naval Academy and knew that’s what I wanted to do with my life. Take advantage of everything STEM has to offer because it’s a lot of cool things that people generally don’t get the experience of, and Summer STEM is a great experience!"

- MIDN 3/C Alexandria Segovia, Summer STEM alumna

Summer STEM Reunion: Oct 1, 2013

- Since 2008, over 2200 middle and high school students have attended USNA Summer STEM Camps.
- 52 alumni of the Summer STEM camp are now midshipmen at the Naval Academy.
- A reunion luncheon was held for all current midshipmen who are alumni of the Summer STEM camp.
Meet MIDN 1/C Grant Page

“My biggest advice to kids is I try to give them my experience as an engineer, a mechanical engineer. I try to stress the importance of it. What you can learn and what you can do can benefit not only yourself but also your country... because how we got to where we are today is through new innovations, new technologies, new inventions. I personally think the United States needs more engineers, doctors, STEM majors.”

-MIDN 1/C Grant Page, on the importance of a STEM education

MINI-STEM

Oct 11 2013

- 45 high school students from New Orleans and Alabama
- 14 midshipmen
- 4 faculty
- 4 STEM modules
Girls-Only STEM Day
Oct 19, 2013
- 225 girls
- 30 midshipmen
- 20 female faculty
- 15 hands-on activities
- Career lunch
- Parent Workshop

Meet MIDN 1/C Lindsey Peters

MIDN 1/C Lindsey Peters was the lead midshipman for the Girls-Only STEM Day held at the Naval Academy. She is an Aerospace Engineering (Astronautics) major, and has participated in many STEM events, including the October 2013 Remote STEM trip to the USS Intrepid in New York City.

"I think the most rewarding aspect is to see the students getting excited about math and science and really motivated to learn more about it and get involved with it in the future. I’ve developed a lot of leadership skills. I’ve also become more motivated to learn about science and it’s helped me with my classes here at the Naval Academy.”

- MIDN 1/C Lindsey Peters, on the benefits of participating in STEM Outreach
MIDN 1/C Jasmine Sarjeant, a Chemistry major, has participated for 3 years in many STEM events, including Sea Perch training, summer STEM camps, and remote events such as Operation Slumber onboard the USS Intrepid. From her experience in the STEM programs, MIDN Sarjeant has gained many skills. “I think I have gotten a lot better at public speaking and just explaining what I do to other people and I think that is a big part of leadership, just knowing how to talk to people.”

“I think that science is a field that is never going to be complete... it is important that the youth right now are getting interested in carrying on what we are doing...we are carrying on what our teachers are doing.”

- MIDN 1/C Jasmine Sarjeant,
on the impact of STEM outreach

Meet MIDN 1/C Jasmine Sarjeant

Overnight on the USS INTREPID
Oct 26, 2013
• 150 children from 8 NYC Charter schools
• 6 midshipmen & 2 faculty
• On board the Intrepid Sea, Air and Space Museum
• An overnight event featuring USNA and STEM activities such as robotics, hydraulics, mechanics, and fluid dynamics