NOAA’s Teacher at Sea Program

2018 Year in Review
Overview

• 2018 Season
• Web and Social Media
• Change Stories
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2018 Teacher at Sea (TAS) Eric Koser and NOAA Ship Rainier
2018 Season: By the Numbers

- In 2018...
  - **34** Teachers at Sea
  - representing **26** states
  - conducted a combined total of **5652** research hours
  - and wrote **235** science blog posts.

- **300+** TAS Alumni remained connected with the program,
  - participating in **22** outreach events
  - and appearing in **18+** media items.

TAS ‘18 **Justin Garritt** poses with a pile of krill on board NOAA Ship *Bell M. Shimada*
2018 Teacher at Sea Field Season

[Map showing the distribution of Teacher at Sea programs across the United States, with numbers indicating the number of programs in each state.]

teacheratsea.noaa.gov

2018 Year in Review
Web and Social Media

Most Popular Photos of the Week

Name that Seafood Species
(October 15, 2018)
Photo by TAS ’18 Jeff Peterson

Women of the NOAA Corps
(March 12, 2018)
Photo by TAS ’11 Lindsay Smith

Twitter Impressions: 5,340 users
Twitter Engagement: 79 interactions

Facebook Reach: 2,216 users
Facebook Engagement: 490 clicks, likes, or shares
• **Most Significant Change (MSC) Evaluation Technique**
  
  – Identified 15 Significant Change stories in which alumni are making a significant impact on their classrooms and communities

Filmed in November 2017, this MSC video features TAS ‘16 **Mary Cook** describing how NOAA’s Teacher at Sea Program has helped her science teaching in the remote community of Scammon Bay, Alaska

http://teacheratsea.noaa.gov/#/highlights
TAS Alumni Outreach Events

TAS ‘07 **Liz Martz** poses with ADM Gallaudet at NOAA’s Open House in Silver Spring, Maryland (February 2018)

TAS ‘14 **Dana Clark** shares NOAA resources at the Conference for the Advancement of Science Teaching in Fort Worth, Texas (November 2018)
Bringing NOAA to the Classroom: Scientist Visits

NOAA biologist Lisa Jones dissects sharks for first and second graders during “Ocean Day” at TAS ‘15 Trevor Hance’s school, Laurel Mountain Elementary, in Austin, Texas (March 2018)

NOAA biologist Andre DeBose teaches students about sharks at TAS ’17 Chris Murdock’s school, Regina High School, in Iowa City, Iowa (April 2018)
Bringing NOAA to the Classroom: NOAA Corps Officers Visit

NOAA Corps officers **LT Jamie Park** and **ENS Luke Evancoe** give a presentation to students at TAS ‘18 **Dana Kosztur**’s school, St. Martin Middle School, in Ocean Springs, Mississippi (October 2018)
TAS Alumni joined the celebration of the 50th Anniversary of sister NOAA Ships *Fairweather* and *Rainier* in Newport, Oregon, on March 22, 2018. Since 1990, more than 100 TAS have sailed on the two ships.

**TAS ‘14 Denise Harrington presents a plaque honoring NOAA Ship Rainier to CDR Ben Evans**

**TAS ‘17 Lisa Battig presents a plaque honoring NOAA Ship Fairweather to CDR Mark Van Waes**
Southeast TAS Alumni Workshop
Charleston, South Carolina
May 18-20, 2018

• **Attendees:**
  - 14 alumni from 8 states
  - 11 scientists and staff from NOAA labs and partnering Charleston institutions

• **Agenda:**
  - TAS Poster Session
  - Art and Science presentation
  - Behind-the-scenes tour of South Carolina Aquarium
  - Caper Island wildlife tour
  - Lesson Share
  - 3 days of science and networking!
New England TAS Alumni Workshop
Woods Hole Oceanographic Institute, Woods Hole, Massachusetts
November 3, 2018

- Attendees: 15 alumni from New England states
- Agenda: Presentations, networking and lesson-sharing
- Hosted by Woods Hole Sea Grant
Teacher Perspectives

“Being involved with this unique opportunity to understand the wonders of the unknown ocean has helped me **invigorate my classroom with a sense of wonder, discovery, and adventure.**”

- TAS ‘18 Meredith Salmon
Teacher Perspectives

“I appreciate all the lessons and stories that crew members and scientists shared throughout the trip. This experience **awakens the scientist in me** and inspires action in my classroom and community.”

- TAS ‘18 Jennifer Dean
“My experience as a NOAA Teacher at Sea has reinvigorated me as a teacher. The techniques the NOAA scientists taught me not only allowed me to contribute to their research in a small way, but it gave me an opportunity to collect data that I can immediately integrate into my classroom.”

– TAS ‘18 David Knight
“I can’t believe how much I learned in such a short time about life and work at sea, careers, seafood, NOAA and its online resources... I’m extremely grateful to everyone on Oregon II for being so welcoming and friendly, and for being so willing to speak with me. Although there were some setbacks, I got the chance to visit the lab and meet the wonderful scientists who showed me around. It’s hard work, but everyone agrees that it’s meaningful, rewarding and exciting.”

- TAS ‘18 Angela Hung
“One of my goals as a science and math teacher is to provide students with many opportunities to ask questions, explore, think critically, and be inspired to continue a lifelong journey of learning and growth. My experience with NOAA and NOAA Ship *Thomas Jefferson* will forever have an impact on my classroom and for that, I am extremely grateful.”

- TAS ‘18 Brandy Hill
“My “Young Scientists” program was inspired in 2015 after participating in my first Teacher at Sea trip on board NOAA Ship Henry Bigelow. Prior to my [2018] journey to Alaska, I visited those elementary schools introducing them to the mapping that we were going to conduct and the important mission of NOAA... While on board [NOAA Ship Fairweather] I met new friends and I have learned so much. I will be bringing home new lessons and activities for years to come.”

- TAS ‘15/’18 Tom Savage
“Teachers in general are very enthusiastic and curious about everything. The enthusiasm is infectious and makes for an extra fun working environment. It is also awesome to know that their experiences with us are then used as real world examples for students to learn from.”

– Biologist Chrissy Stepongzi
“David wanted hands-on experience in all aspects of our work, and he was able to see the bigger picture and translate it into his blog. He was exceptional!”
– Biologist Nate Bacheler

Biologist Nate Bacheler.
Photo by TAS ‘14 Kevin McMahon
Scientist Perspectives

“Kimberly was very helpful in assisting us in any task that she was given. Her enthusiasm and positive attitude were very welcome as well.”

- Biologist Keith Sakuma

Chief Scientist Keith Sakuma.
Photo by TAS ‘13 Patty McGinnis
“The TAS program is mutually beneficial; it provides a conduit for outreach as well as a boost to morale for the crew showing the value of their work.”

– LCDR Meghan McGovern

LCDR Meghan McGovern when she was FOO on board NOAA Ship Rainier. 
*Photo by TAS ‘13 Susy Ellison*