NOAA’s Teacher at Sea Program

2019 Year in Review
Overview

- 2019 By the Numbers
- 2019 Social Media
- Teachers Return to the Classroom
- Alumni Activities
- Perspectives about the Program

Teacher at Sea (TAS) ‘19 Dave Madden, at sea on NOAA Ship Pisces, shows off a flying fish that landed itself on board
2019 Season: By the Numbers

In 2019...

- **19** Teachers at Sea
- representing **13** states
- conducted a combined total of **3312** research hours
- and wrote **128** science blog posts.

In FY 2019....

- **300+** TAS Alumni remained connected with our program,
- submitting **30** lesson plans,
- participating in **25** outreach events
- and appearing in **17+** media items.
FY 2019 Social Media

Most Popular **Photos of the Week**

- **Photophores on Midshipman**
  (June 24, 2019)
  Photo by TAS ‘19 Karah Nazor

- **Lobster Regenerating Claw**
  (April 29, 2019)
  Photo by TAS ‘17 Cecelia Carroll

**Most Twitter Engagement**

**Most Facebook Engagement**
Bringing NOAA to the Classroom: Taking the Next Steps

**August 2018**
TAS Anne Krauss sails on a shark survey in the Gulf of Mexico aboard NOAA Ship *Oregon II*

**April 2019**
Anne hosts Teacher at Sea- and shark conservation-themed tables at Cobbles Elementary School’s *Family Science Night* in Penfield, New York
Bringing NOAA to the Classroom: Taking the Next Steps

July 2018
TAS Stephen Kade sails on a shark survey in the Gulf of Mexico aboard NOAA Ship Oregon II

May 2019
Stephen’s students celebrate Endangered Species Day with end of year art show in Dearborn, Michigan
Administered by the National Marine Sanctuary Foundation, the NOAA Teacher at Sea Alumni Association helps participants who have completed their requirements build on their at-sea experience with additional connections to NOAA science and resources.
MARCH: South Dakota class visits NOAA Lab

APRIL: National Science Teachers’ Association Conference

MAY: Tri-State TAS Alumni Workshop

SEPTEMBER: American Fisheries Society Conference

TAS ’17 Chris Tait prepares his presentation board at the Tri-State TAS Alumni Workshop.

Photo by Ryan Hawk
Bringing the Classroom to NOAA

NOAA’s Southeast Fisheries Science Center Lab

Pascagoula, Mississippi
March 15-16, 2019

TAS ‘16 Spencer Cody drove a group of students from Edmunds Central High School in Roscoe, South Dakota down to NOAA’s Pascagoula Lab for a weekend of learning about NOAA and exploring the Gulf coast ecosystem.

Watch the video at http://teacheratsea.noaa.gov/#/highlights

Photos by Ryan Hawk
14 alumni, including TAS ‘11 Jason Moeller (at right), helped staff the NOAA Booth at the National Science Teachers Association National Conference in April.
Tri-State TAS Alumni Workshop
Jacques Cousteau National Estuarine Research Reserve
Tuckerton, New Jersey
May 3-5, 2019

- Attendees: **14 alumni** from New York, New Jersey, and Pennsylvania
- Agenda: Presentations, tour of NERR, networking, and lesson sharing

Photos by Ryan Hawk
American Fisheries Society Meeting
Science Communications Symposium
Reno, Nevada
September 30, 2019

6 alumni, including TAS ‘17 Sam Northern (above), presented their ideas on communicating science at a NOAA Fisheries-sponsored symposium at the Joint American Fisheries Society – The Wildlife Society conference in Reno in September. Photos by TAS ‘15 Trevor Hance.
Teacher Perspectives

“I look forward to using what I have learned about studying fish populations and the unique career opportunities at sea with my students. I know they will appreciate my new expertise and see that there always opportunities to keep learning!”

- TAS ’19 Jessica Cobley
  Juneau, Alaska
"There are **so many connections between my experience at sea and my classroom**. The scientists gave me a lot of ideas for blog posts, and I enjoyed talking with the NOAA Corps officers as well. It will be easy to integrate the science and careers of NOAA into my classroom as a reading specialist."

- TAS ‘19 **Allison Irwin**  
  West Lawn, Pennsylvania
Teacher Perspectives

“The Teacher at Sea program gives hope that the fight to study and protect precious ocean ecosystems will be **taken up by future generations**... Above all, doing hands-on science with leading scientists for two weeks while out in a ship with state-of-the-art facilities is an **experience of a lifetime**.”

- TAS ‘19 **Ragupathy Kannan**
  Fort Smith, Arkansas
“It was great to be in a position where I was doing the learning. I loved working hard and I was thrilled to go to Alaska for the first time. Being a part of the work that the scientists were doing was so inspiring!”

- TAS ’19 Catherine Fuller
Honolulu, Hawaii
“[The TAS Program] was one of the best experiences of my life. I feel inspired and ready to share my experience with my students. This trip really helped me know that I am doing the right thing in life - teaching young people about our vital and fragile marine ecosystems... I truly believe this will inspire some of my students to follow suit into a science career path."

- TAS ‘19 Callie Harris
Summerland Key, Florida
“Callie shared anecdotes of her classroom experience with the scientists and was keenly interested and curious about cruise science operations. She was not only able to gain from the experience, but was also able to benefit us by having her aboard to teach us about what it’s like to teach science.”

– Fisheries Biologist Matt Wilson
“It is always good to have an interested outsider aboard. Answering questions encourages our people to think about what they know in new ways, and sharing their excitement reminds us of what a cool job we have.”

– CDR Ben Evans, Commanding Officer of NOAA Ship Rainier