

More information...

**2016 NSTA Links

(a webpage with the links listed below plus more!)

www.truromass.org/itsp-conference-links.html

Truro Central School Drifter page

www.truromass.org/tcs-drifter.html

NOAA Outreach and Education on Protected Species (NOEPS)

(includes links to demonstrated lessons & activities)

www.nefsc.noaa.gov/psb/NOEPS/

NOAA Teacher at Sea

www.teacheratsea.noaa.gov

NOAA Teacher at Sea Alumni

(New England Region)

www.teacheratsea.noaa.gov/#/NETASA/

NOAA Student Drifter Program

www.nefsc.noaa.gov/drifter/

Student Drifter Construction site

www.studentdrifters.org

NOAA Ocean Day at Truro Central

(NOAA NEFSC article and slideshow)

www.nefsc.noaa.gov/news/features/ocean_day/

Teacher at Sea Alumni Drifter & Tagged Sea Turtles

(NOAA NEFSC article and slideshow)

www.nefsc.noaa.gov/press_release/2012/SciSpot/SS1211/

Pamet the Sea Turtle

(NOAA NEFSC article and slideshow)

www.nefsc.noaa.gov/press_release/2013/SciSpot/SS1310/

2016 NSTA National Convention, Nashville Presenters:

Stacey Klimkosky

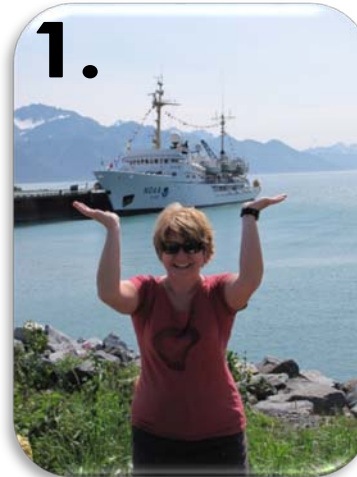
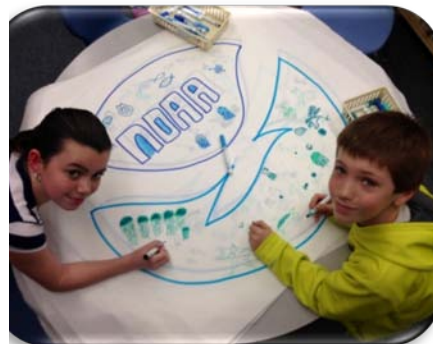
Truro Central School & NOAA Teacher at Sea
klimkoskys@truromass.org

Megan O'Leary

Truro Central School & NOAA Teacher at Sea
olearym@truromass.org

Grace Simpkins

NOAA Outreach and Education on Protected Species Program (NOEPS)
noeps.grace@gmail.com

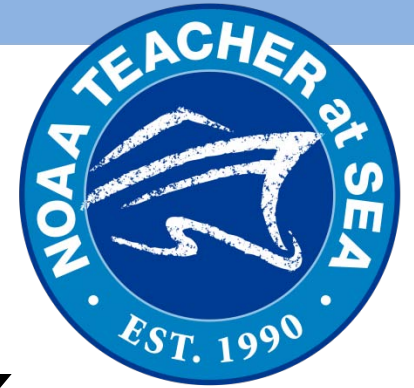


1.

It began on a dock...

1. NOAA Teacher at Sea

- STRATUS buoy recovery/deploy aboard NOAA Ship *Ronald H. Brown* Equatorial Pacific, October 2007
- Hydrographic surveys aboard NOAA Ship *Rainier* Pavlof Islands, AK July 2009



2. New England Teacher at Sea Alumni Workshops

Gloucester, MA November 2011
Woods Hole, MA May 2012

- Surface current drifters built with Jim Manning, NOAA Oceanographer at Northeast Fisheries Science Center (NEFSC)
- Drifters deployed during loggerhead turtle survey by Heather Hass, NOAA NEFSC Sea Turtle Researcher. "TCS Drifter" transmits from June 2012-April 2013



2.

3. Truro Central School Drifter Project begins April 2013

- Truro teachers and NOAA Teacher at Sea alumni Stacey Klimkosky & Megan O'Leary work with Jim Manning to apply for and receive Cape Cod Five Cents Savings Bank grant to build surface current drifter
- Travel to Jim Manning's home in Falmouth MA for drifter workshop to build a school drifter with Cape Cod 5 grant funds



Teachers & NOAA Scientists: A Match Made at Sea



4. Ocean in Motion Museum
May 2013

- Read, Write, Think Enrichment Group (grs. 2/3) study ocean currents, Great Pacific Garbage Patch, *Plastiki*. Track Drifter built by Teacher at Sea Alumni at Alumni Workshop





5. Pamet the Loggerhead Turtle
May 2013

- Truro Central School Second Grade teams up with Heather Haas (NOAA NEFSC) to name a tagged loggerhead turtle Pamet, the Wampanoag Native American name for the area around the town of Truro

8. Ocean Day Drifter (Student Drifter #2) Deployed
October 2014

- Drifter deployed by local fishermen, Willis King off Race Point, Provincetown, Cape Cod MA
- As of 2/3/15, entered the Gulf Stream & traveled over 4,000km (2,500mi) through hurricane force winds & 20ft seas


6. TCS Drifter #1 Assembly & Deployment
September 2013

- Students reassemble drifter constructed by Truro Teachers .
- Grant from Seamen's Bank received for additional satellite tracking
- Deployed off Race Point, Provincetown MA with help of Truro Central parents



7. NOAA Ocean Day at Truro Central School
April 2014, April 2015, February 2016

- All students in grades K-6 participate in hands-on science activities with NOAA scientists and staff
- Oceanographer Jim Manning builds TCS Surface Current Drifters
- NOAA Biologist Heather Haas teaches students how to log data to identify sea turtles and conducts mock blood plasma activity
- NOAA Outreach and Education on Protected Species (NOEPS) Program Coordinator Grace Simpkins engages students in lessons about marine mammals, bioacoustics, food webs & marine mammal adaptations
- NOAA Biologist Henry Milliken challenges students to think about solutions to fisheries bycatch through gear modification

