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SEAS THE SEMESTER

Fall 2019

Setting the course for the 2019-2020 academic year

Opportunities and updates for educators about our programs on land and at sea

Visit Website

NEW EDUCATOR RESOURCES PAGE

We're excited to introduce our [Educator Resources webpage](#)!

- Flexible ocean science activities for your classroom
- Geared towards middle and high school students
- Complement our *Generation Ocean* 360/virtual reality film series
- Use innovative educational technology tools and real world data

Our first series of activities was developed in conjunction with *Generation Ocean: Coral Reefs* and allows students to explore coral reef science and conservation.

Activities in Unit



Activity 1: How Scientists Study Coral Reefs – ENGAGE

Students use 360 film to take a virtual field trip alongside coral reef scientists. They visit and learn about the research being performed in the Florida Keys National Marine Sanctuary and laboratories at the National Oceanic and Atmospheric Administration and University of Miami.

Duration: ~20 min

[Activity Details](#)



Activity 2: Coral Anatomy – EXPLORE

Students perform self-guided research on coral anatomy and create a guidebook to key anatomical features of a coral polyp. Through this process, students learn about the symbiotic relationship corals have with microscopic algae called zooxanthellae.

Duration: 10 – 40 min

[Activity Details](#)



Activity 3: A Picture is Worth a Thousand Words – EXPLAIN

Students examine and interpret photo-mosaic imagery from Cheeca Rocks reef in the Florida Keys National Marine Sanctuary. Using their background knowledge and observations from these images, they work to identify the nature and causes of change over time on coral reefs.

Duration: ~20 min

[Activity Details](#)



VISIT US AT LAGOONFEST!

On November 2nd, we'll be exhibiting at [LagoonFest](#) in downtown West Palm Beach. Stop by our tent to:

- Find out more about ANGARI education programs
- Learn about our Lagoon Drift citizen science experiment
- Decorate a drift card for an upcoming Lagoon Drift experiment!

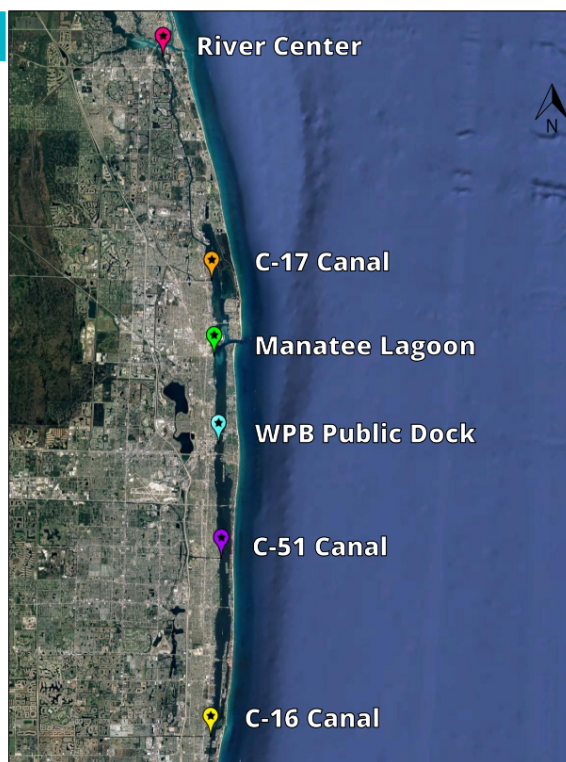
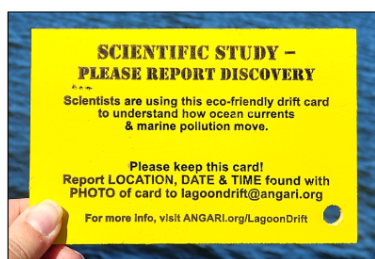
Lake Worth #LagoonDrift Card Study

How does it work?

- 1) 40 drift cards simultaneously released from sites around Lake Worth Lagoon.

NEXT RELEASE:
November 2019

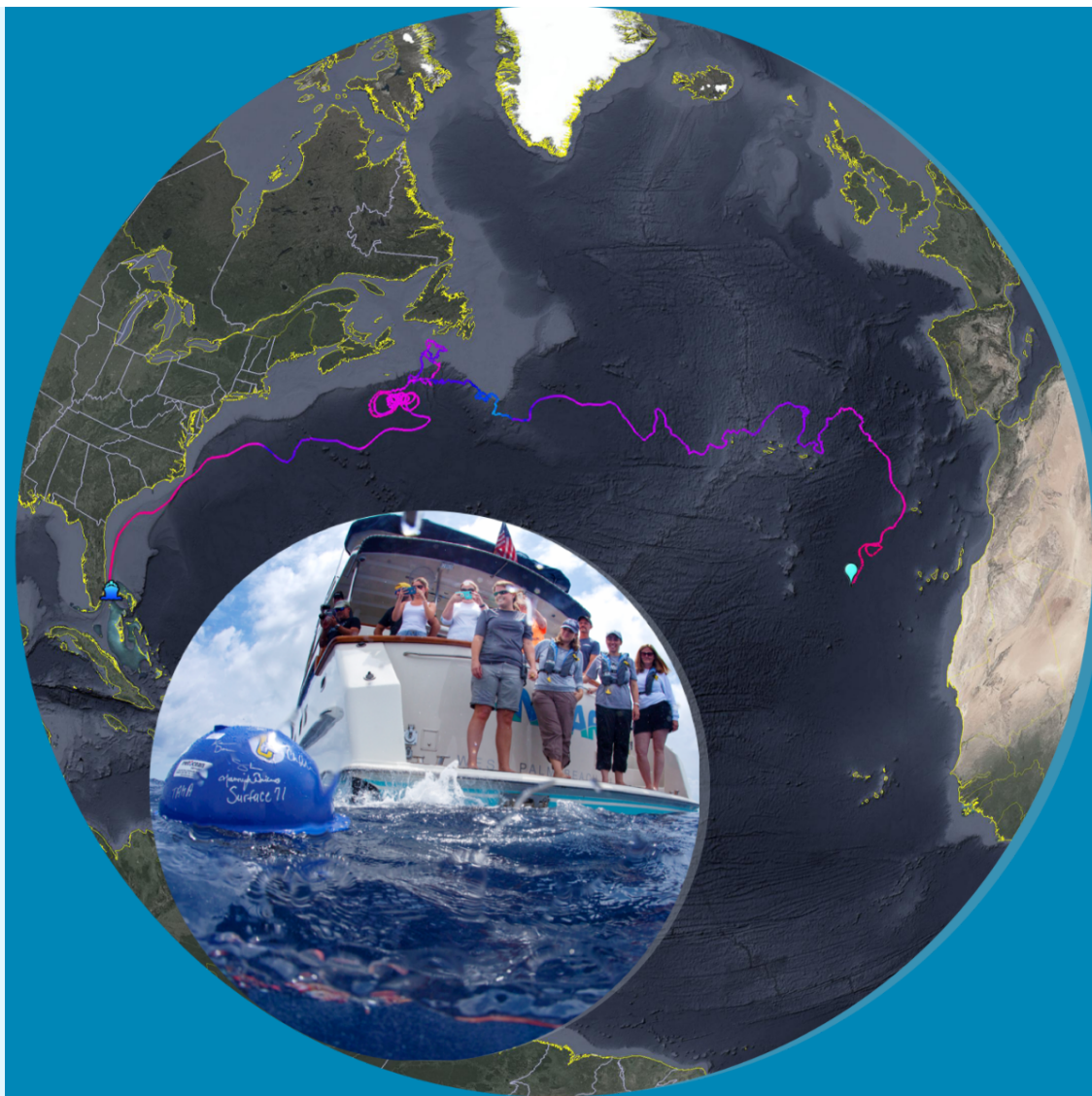
- 2) Drift cards float on surface of water, carried by currents.
- 3) Citizen scientists (this could be you!) recover drift cards & report findings.
- 4) We gain new insights into how marine debris & pollutants move in our local waterways.



#LagoonDrift Facebook Event

OCEAN CURRENTS EXPEDITION UPDATE

In March of 2018, we hosted teachers on expedition aboard R/V *ANGARI* with Dr. Tamay Özgökmen, Professor & CARTHE Director at the University of Miami. The teachers learned about drifter technology and how it's used to study the motion of currents and pollutants in the ocean. They also deployed a GPS-enabled drifter courtesy of MetOcean Telematics into the Gulf Stream. We're happy to report that the drifter is still active and has traveled **11,000+ miles** around the Atlantic!



If interested in tracking this or future drifters deployed by ANGARI,
contact education@angari.org.

EDUCATOR REGISTRATION

Want to stay up to date on educator resources, events and opportunities?

[Register Here](#)

SALTY HUMOR



Stay tuned to our social media feeds for ocean education opportunities!



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