Extracurricular Scientific Diving: Motivating Students through Place-Based STEM Enrichment and Stewardship

Goal: Clean Seas Florida Keys 2018/19
We thank our sponsors & partners!
Service-Oriented
Multi-Disciplinary
Inquiry-Driven
Authentic (REAL)
Cross-Grade Groups
Differentiated and Student-Led
Mentor-Facilitated
Autonomy  
Choice  
Relevancy  
Collaborative  
Meaningful  
Valuable  
Real
Relationships Challenge Confidence
Island Living = Place-Based STEM
“I love working with older kids, college kids, and teachers outside of school.”
For mentors and meaningful “real world” work that matters is important…it is

“...I am motivated to study now.”

“I get why we need to learn Geography and Math. I use it.”

“I work to protect the coral reef and that means something.”

“What we are doing is so different from school.”

“If my classes at school were like this, I would want to be there.”
• Our youth need to feel & be confident (self-efficacy).
• Learning must be relevant to their interests and lives.
• They need to be given choices….real ones!
• They are the pros in the room—let them lead.
Youth Leadership Council

Marsella, Haley, Kara, and Zoe
Dive Against Debris:
7/21/18

• Looe Key SPA
• 16 participants
• 490 pounds of debris removed
• Mostly traps, wood fragments, and line
Dive Against Debris: 7/29/18

- Looe Key SPA and area adjacent to Looe Key
- 16 participants
- 1500 pounds of debris removed
- 66 lobsters & 10 stone crabs set free from derelict & abandoned out of season traps found within and next to Looe Key SPA
Dive Against Debris: 9/15/18

- Looe Key Backreef
- 32 participants
- 1600 pounds of debris removed
- Concrete, traps, & line
Dive Against Debris:
12/2/18

- Looe Key SPA
- 16 participants
- 101 lbs. of debris removed
Dive Against Debris: 2/3/19

- Looe Key SPA
- 650 pounds of debris collected
- 14 volunteers
- DN2L girls!
Total **Impacts To Date**

- Five Dive Against Debris events at or next to Looe Key SPA
- Pounds of debris removed: 4341
- Participants ranged in age from 10 - 62
- One more Dive Against Debris in March
- Impressions and reflections
Thank you!

www.DiveN2Life.org