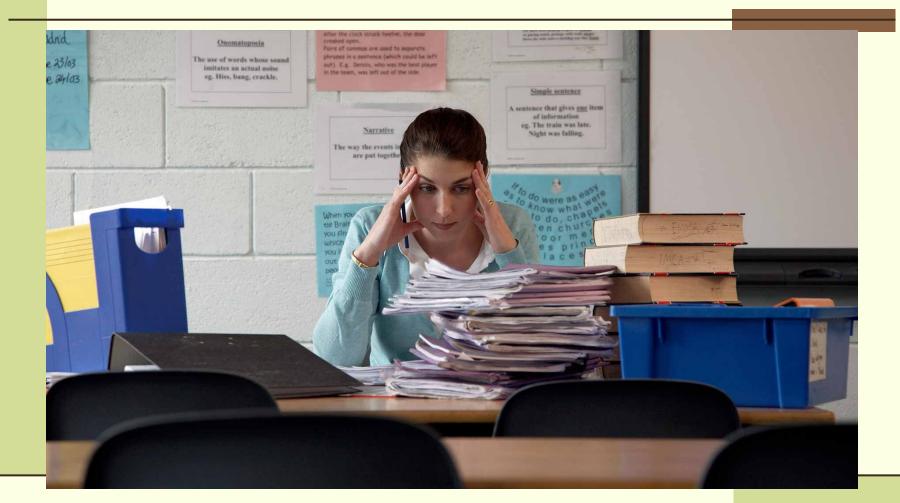
# Lessons Learned: Engaging Students at the High School Level

Dave Fryxell (Executive Director) and Leeza Barstein (TerraCorps Service Member)











About Get Science Fair Ready Fairs Resources Events Contact



# 2023 - "Comparing tick preference for human clothes vs. animal fur on and off trails on Cape Cod"



# 2024 - "Testing Pesticide Resistance, Avoidance, and Efficacy in Mosquito Populations on Cape Cod"



### 2025 - "How Nutrient Outputs From Title 5 Septic Systems and IA Systems Compare in Impacts to Cape Cod Ponds"



2025 - "Cachers Doing What They Do Best: Acorn Species Preferences Between Seed Cachers and Consumers on Cape Cod"





Science Fair = Depth

**But funders want breadth!** 

Existing module: Field observation

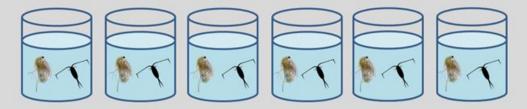
New module: Experimental manipulation

#### Flax Pond

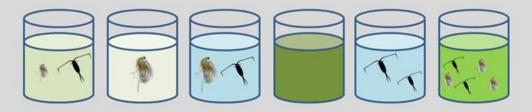
#### Long Pond

Measure ecological differences in the field, develop hypotheses.

Collect zooplankton & phytoplankton, introduce evenly across jars.



Randomly apply treatments, wait one week before sampling.



Sample chemistry, zooplankton & chlorophyll a, graph data to test hypotheses.



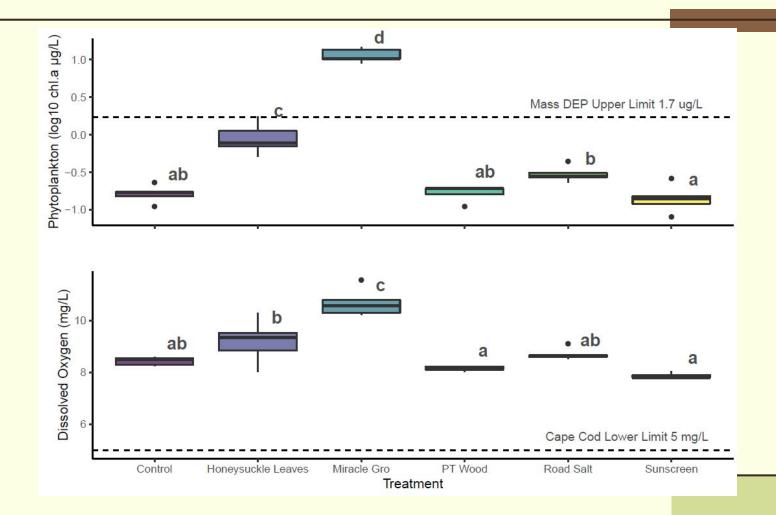




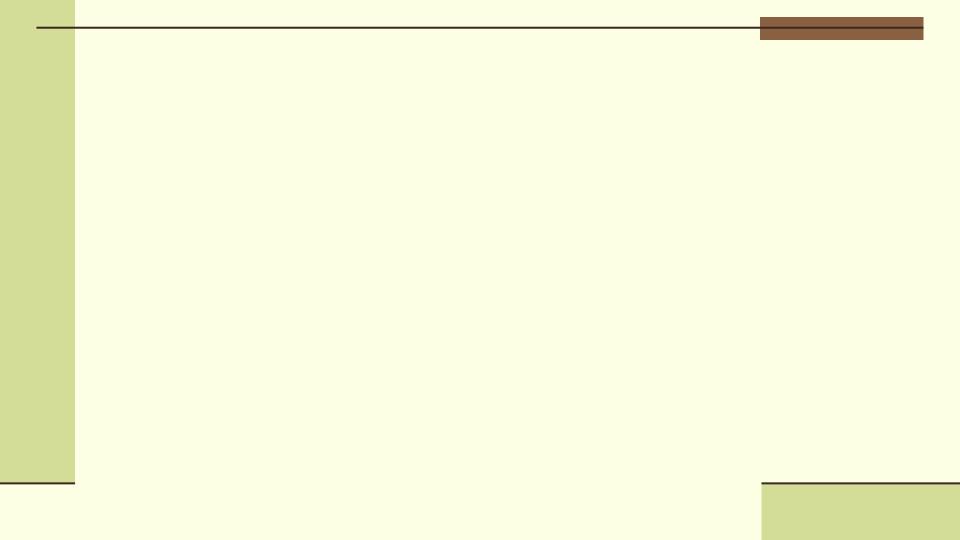
















#### Angie Weldon

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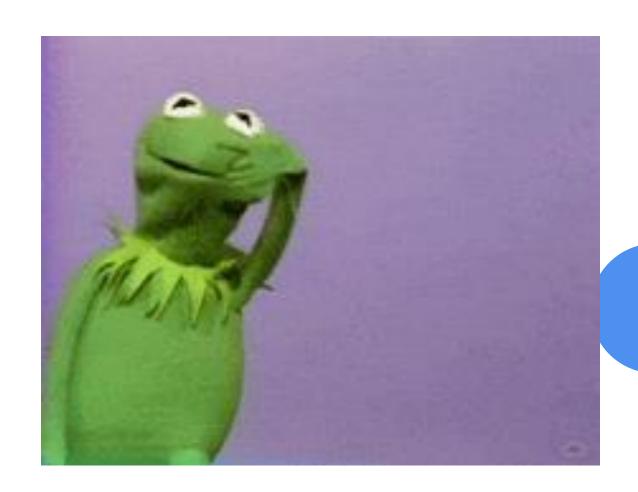






#### Think Outside the Box

- Afterschool Clubs
- School Field Trips
- Summer Camps
- Volunteer Work Days
- Guided Hikes, Guided Paddle, Guided Bike Ride



Community Events & Targeted Youth Programs









- October: Halloween Paddle Parade
  - Costumed guided paddle around
     Onset Bay





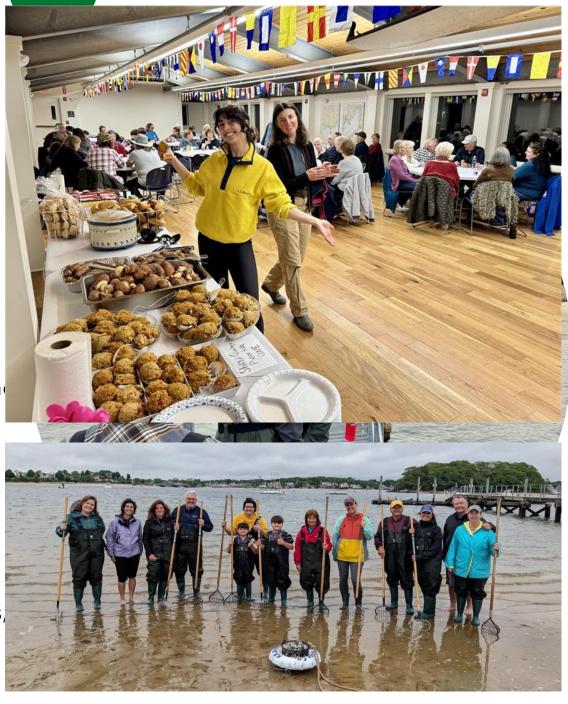






November:
BaysGiving: Shellfishing
& Quahog Boil





- February: Valentine's Stargazing
- March: Beach Madness'
  - Sand / Snow Sculpture Festival
- April: Plant-a-Palooza
  - Volunteer Work Day
- May: Community Day
  - "Open House," Free activities
- June: Summer Solstice Paddle
- July & August: Seas the Day
  - Free Rental Days
- December: Wickets Wonderland
  - Lights, Music, Campfire



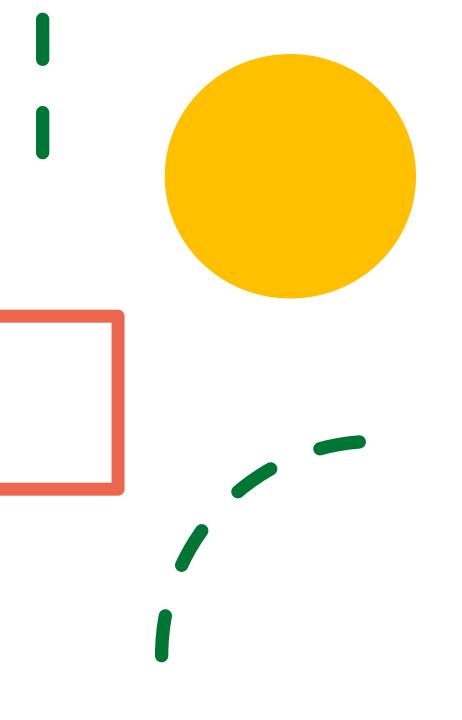
#### **Event Metrics**

Activity	2022	2023	2024	Age Range	Community Partners
JAN: New Year's Polar Plunge	75	500	800- 1000	6+	Food Trucks, Local DJ, Mobile Sauna
FEB: Valentine's Stargazing	-	40	100	6+	HS Astronomy Club
MARCH: Beach Madness	-	45	20	3+	Local Artist - Kids' projects
APRIL: Earth Month Volunteer Day	-	40	40	8+	
MAY: Community Day	60	100	200	3+	Orgs Tabling
JUNE: Summer Solstice Paddle	-	-	60	14+	



#### **Event Metrics**

Activity	2022	2023	2024	Age Range	Community Partners
JULY & AUG: Seas the Day: Free Rentals	-	-	400 Total	3+	Local restaurants (% off meal after booking)
SEPT: Glow-in-the-Dark Paddle	-	-	120	8+	
OCT: HALLOWEEN PADDLE PARADE	40	80	100	Any	
NOV: BaysGiving: Shellfishing and Quahog Boil	-	25	85	10+	Harbormaster / DNR, HS Culinary Teacher, Council on Aging
DEC: Wickets Wonderland	40	80	250	Any	Local Coffee Company



# Community Events Overall Impact:

- Increased numbers to your org
- Community building:
  - With participants (new and repeat)
  - Relationships with partner organizations and the town
- YEAR-ROUND offerings (yes, even in WINTER!!)
- Annually repeated Create BUZZ with word of mouth & let your activities advertise for themselves
- Novel ideas attract young participants (families, teens, and young adults)





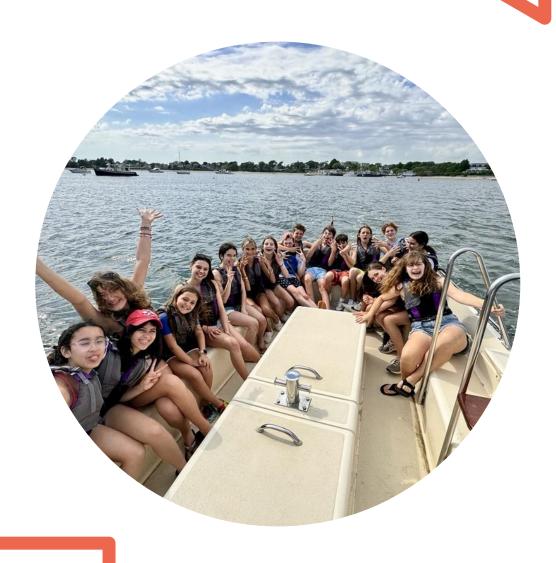
#### Successes & Challenges:

#### **Successes:**

- Offering high quality programs, well training staff, and little to no cost to our participants. No Gear, No Fear
- Go hyper-local with advertising
- Lean into your partnerships
- Program growth & honoring the relationships we build
- Explore Cultural Council grant funding to
   support new programs

#### **Challenges:**

- Feedback and changes Learn through doing (New Years day plunge)
- Staffing Lean on your volunteers these are
   FUN opportunities to get involved
- **Engaging young adults** under 30 without children (more adventurous activities?)
- **Branding**: We're still new! Fighting the "Yacht Club" vs Community Boating Center identity



# Final Thoughts

# Thank you!

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