



2024 Science Saturday - Kickoff

January 13, 2024

Rick Bushnell and Darlene Cavalier

Welcome!

Please tell us your name, organization,
and location in the chat.



Today's Agenda



Introduction to 2024 Programs



**Citizen Science: Make Your
Observations Count**



**Related, Local Citizen Science
Projects**



**Planned Sessions: Your
Thoughts?**



Questions

Science Saturday Purpose

For over 15 years we have tried to stimulate people to find the real facts and information about environmental topics.

But along with that, we would like to instill a desire for people to be involved.

We have always promoted “citizen science” but this year we want to **make *participation* a central focus.**

Everyday Observations - May be valid



What is citizen science?

A global movement that enables people from all walks of life to **collaborate** with scientists by participating in **real scientific research**.

It's how people can make an impact on issues they care about! Anytime, anywhere.



BROADENS THE
SCOPE OF WHO
CAN CONTRIBUTE
TO SCIENCE



ENABLES PEOPLE
TO ENGAGE IN DATA
COLLECTION,
ANALYSIS, AND
INTERPRETATION



ENABLES PEOPLE TO
LEARN ABOUT THE
NATURE OF SCIENCE
AND SCIENTIFIC
REASONING



ACCELERATES
IMPORTANT
RESEARCH AND
DISCOVERY

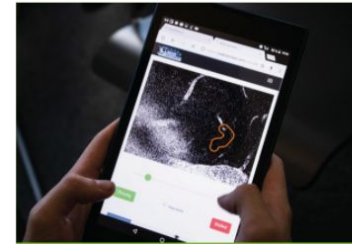
Benefits to Science & Society

Citizen science enables people from all walks of life to actively learn more about the world and address issues they are curious or concerned about.

Citizen Science Projects

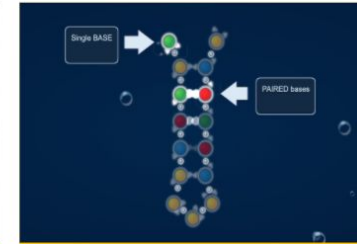
- Bird populations have declined by 50%
- Birds are breeding earlier
- 50+ types of bacteria live in your belly button
- The first flowering of 19 species of plants has moved 9 days earlier over the past decade
- There's a new type of aurora in the night sky (and the citizen scientists named it Steve!)
- In one weekend in 2019, citizen scientists accomplished 2,566 research hours, or 3.5 months of lab-equivalent research time, for an Alzheimer's research project

**This is not your average
STEM program!**



STALL CATCHERS

Accelerate Alzheimer's research by playing an online game.



ETERNA

Design and study complex RNA molecules to help scientists develop RNA-based medicines to combat global diseases.



NEUREKA

Play games and answer questions to improve mental health and dementia research.



GLOBE AT NIGHT

Help gather light pollution data.



FLU NEAR YOU

Spread the word. Not the flu.



ISEECHANGE

Document change in weather and climate in your community.



Projects to do in LBI

Project Finder

plants, animals, weather, etc

Surf City, NJ, United States

Projects to do while... ▾

Select a topic ▾

only projects that... ▾

Age group(s) ▾

Relevant Sustainable Development Goal ▾

projects only ☐ include events ☐

☒ only active projects

clear form find projects

1-11 of 683



Gotham Whale/Phillip Ng

Gotham Whale

Goal Monitoring marine mammals around New York City

Task Collect sightings of marine mammals

Where [View map...](#)

< 1 2 3 4 5 6 ... 69 >



DOL

Project Implicit

Goal Participate in research on subconscious thoughts.

Task Take online tests in which you sort words and

Where [View map...](#)



Dr. Art Trembanis, University of Delaware

SubseaObservers

Goal Help track health, abundance of mid-Atlantic

Task Explore the ocean, through online images, for



SEABIRD ECOLOGICAL ASSESSMENT NETWORK

Seabird Ecological Assessment Network (SEANET)

Goal Help identify, record information about coastal bird

Task examine the spatial pattern of bird carcasses.

OspreyWatch

Monitor osprey nests

Globe at Night

Measure the night sky brightness

iNaturalist

Share observations of biodiversity

MyCoast

Document tides, storm damage, beach cleanups, etc.

Happywhale

Collect whale sighting data

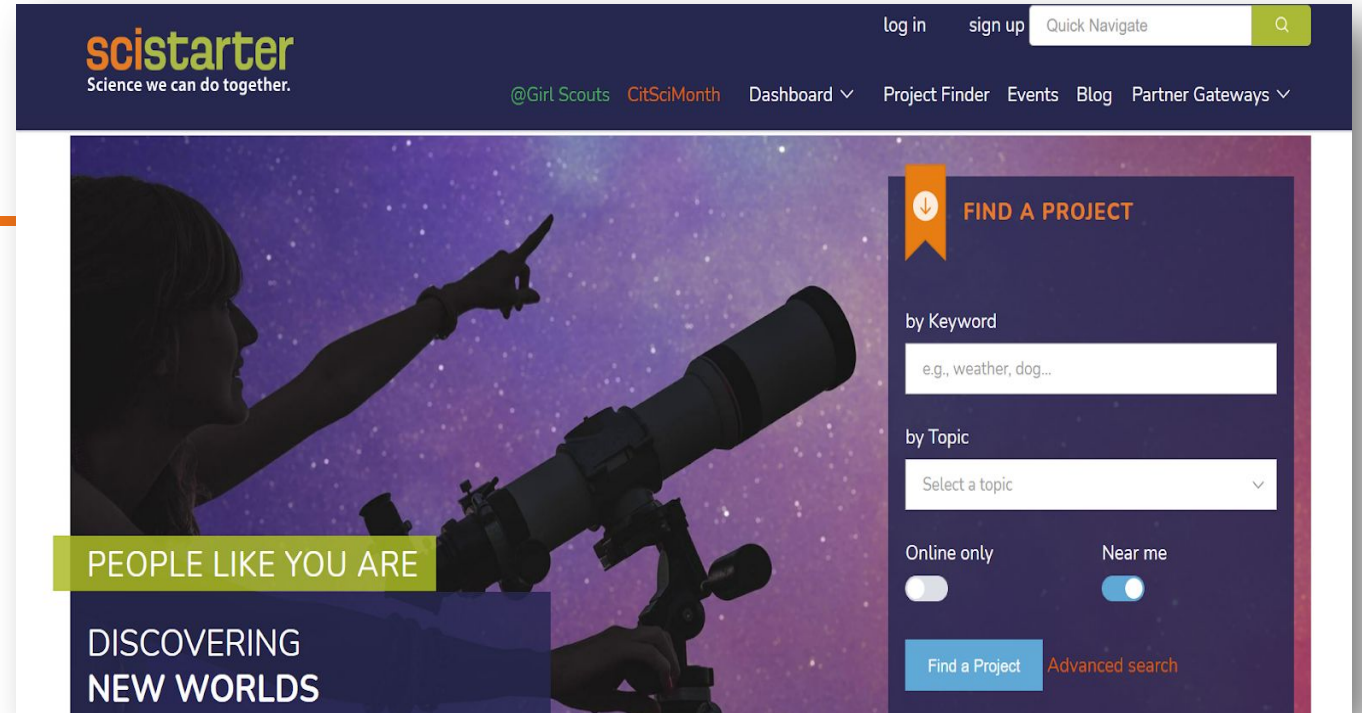
ISeeChange

Share your experiences and collect data to help our communities

SciStarter.org/finder (type in your location)

What is SciStarter.org?

A globally acclaimed web and mobile site that connects millions of people to thousands of real science projects in need of their help.



Be Part of One Million Acts of Science!

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- April is Citizen Science Month
 - Participate in local projects
 - Get recognized for being part of One Million Acts!



SciStarter.org/citizensciencemonth

ONE MILLION ACTS OF SCIENCE

LBIF Science Saturday Topics



13 weeks. Topics include:

- Energy - Not just wind but the blend.
- Sharing the ocean - So many uses!
- Screening of *Deep Rising* - documentary about the ocean, resources with panel discussion.
- What's it like to live in the ocean? The challenges for sea creatures.
- The spectacular night sky and how to enjoy it.
- What's up with the local NJ weather?
- Coastal flooding.

Upcoming Speakers



1/20	Doug Zemeckis	Responsible Stewardship of NJ's Valuable Marine Resources
1/27	Dr. Josh Kohut	The life of a sea creature
2/3	Christine Rooney - Amy Williams	Deep Rising
2/10	James Webster	The Night sky
2/17	Stan Hales	BB Partnership Citizen Engagement
2/23	Amanda Archer	My Coast, etc.
3/2	Ben Wurst	Osprey etc
3/9	Angela Andersen	Islands and/or Field Station
3/16	Ray Bukowski	Energy
3/23	Dave Hinchey	Energy
3/30	Michael Folmer	LBI Weather
4/6	Devon Haines	DEP - Promoting Citizen Science
4/13	Virginia Rettig	Forsythe National Wildlife Refuge

Discussion

Are you involved in a citizen science project?

What topics are you curious or concerned about that:

- might be addressed through citizen science
- you'd like to hear speakers address



Questions?

Type your questions in the chat!

Contact:

rickb@reclamthebay.org

Website:

<https://www.lbifoundation.org/science>

<https://scistarter.org/lbif-sciencesaturday>

Thank you!

