

**From H-2-O:  
a water quality workshop for teachers**

Dates: June 3 - June 5, 2019

Application Deadline: May 10, 2019

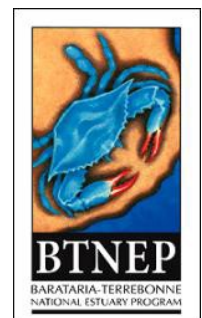
**From H-2-O** is a dynamic teacher workshop that allows teachers to work with educator-scientists and mentor teachers to build a community of teachers that are incorporating water sampling into their science curriculum using Bayouside Classroom ([learn more here](#)). This workshop will train you to become a Bayouside Classroom teacher, which will allow you to provide your students hands-on inquiry-based experiences in the environment while helping to monitor the health of Louisiana's aquatic habitats. The focus of this workshop is on water quality and how you can use regular sampling to help your students understand scientific methods, their place in the estuary, watersheds, and what types of water quality problems exist in estuaries and the ocean. From H<sub>2</sub>O is a multi-day residential workshop. The workshop is held at the DeFelice Marine Center in Cocodrie, LA. Participants will spend about 2 days immersed in a coastal estuarine environments. The workshop consists of both field, laboratory, and classroom work. All activities are designed to ensure that participants have the knowledge and skills needed to use Bayouside Classroom with their students. Each new program teacher will be paired with a mentor teacher or instructor. Mentors are used to help provide a unique and in-depth learning experience.

**Workshop funding provided by the Barataria-Terrebonne National Estuary Program. There is no fee for attending this workshop. Lodging and meals are provided.**

### Workshop Highlights

Every teacher who attends this workshop will . . .

- ◆ receive a Bayouside Classroom Kit (\$500 value) containing
  - ◆ 1 Dissolved Oxygen titration test kit
  - ◆ 1 salinity refractometer
  - ◆ 1 set of plankton sieves
  - ◆ 1 thermometer
  - ◆ 1 pH meter
  - ◆ 1 water clarity tube
  - ◆ 1 sampling bucket
  - ◆ 1 clipboard
  - ◆ safety gear (goggles, gloves, waste bottle, rinse bottle)
- ◆ receive hands-on training in scientific investigation using the Bayouside Classroom sampling and database.
- ◆ participate in field sessions to experience coastal Louisiana habitats.
- ◆ connect water quality science to stewardship while connecting students to the Gulf of Mexico.
- ◆ learn how other environmental issues are related to water quality.
- ◆ Unique views of the lower Terrebonne watershed.
- ◆ Earn up to 24 CLUs.



## Workshop topics

- ◆ Water quality parameters and normal limits
- ◆ Use of data to test hypotheses
- ◆ Watersheds & estuaries
- ◆ Estuaries
- ◆ Nutrients & nutrient impacts
- ◆ Sampling techniques
- ◆ Gulf hypoxia (Dead Zones)
- ◆ Non-point source pollution
- ◆ Invasive species
- ◆ Geographic Information System (GIS)

## How to Apply

Interested in being one of the 2019 participants?

Complete the application and a short statement answering these questions.

- ◆ How do you plan to use BayouSide Classroom with your students?
- ◆ What are your reasons for wanting to attend the workshop?
- ◆ Do you have the support of your school administration to take students to the site to collect samples?
- ◆ What is your proposed sampling site information?
  - ◆ Site location description
  - ◆ Site GPS coordinates
  - ◆ Can you take students to this site?

Completed applications and statements must be submitted by the application deadline.

**Application Deadline: May 10, 2019**

Applications and statements can be submitted by email or USPS. Teachers that have participated in past workshops are encouraged to apply to be a water quality mentor teacher.

Additional information about proposed sampling sites will be requested from teachers that are selected to attend. More information about workshop details will also be provided to attendees prior to the workshop.

If you have questions about the application, application/selection process, requirements for possible sampling sites, or eligibility please contact Murt Conover, LUMCON Associate Director or Education & Outreach.

**Contact:**  
**Murt Conover**  
**(985) 851-2860**  
**mconover@lumcon.edu**

## 2019 From H-2-O Workshop Application

(Only complete applications will be considered. **Application Deadline: May 10, 2019**)

### Teacher Name:

Are you applying to be a **MENTOR TEACHER** or as a **NEW Bayouside Classroom TEACHER?**

Preferred Mailing Address:

School Name:

Parish where you teach:

Grades you teach:

Subject(s) you teach:

How many students per school year would use Bayouside Classroom in your class(es)?

### Contact Information:

School (phone):

Home or Cell:

Fax:

E-mail:

### Applications should be submitted with a short (~one page) statement about:

- ◆ how you intend to use Bayouside Classroom with your students
- ◆ the reasons you are interested in attending the workshop
- ◆ whether or not you have the support of your administrator to take students outdoors for sampling (optional letter of support from that administrator)
- ◆ information about your proposed site (location, number of times you plan to sample, type of water body, site description)

**Submit completed application and statement to Murt Conover by email or USPS.**

**Murt Conover  
8124 Hwy 56  
Chauvin, LA 70344  
mconover@lumcon.edu  
(985) 851-2860  
Fax: (985) 851-2874**