



## Looking to Incorporate NGSS Content Into Your Curriculum?

Saturday, September 19, 2015, 8am-3pm  
Hammonasset State Park, Madison, CT



### **USE NGSS TO INVESTIGATE THE EFFECTS OF CLIMATE CHANGE ON CONNECTICUT**

Incorporate NGSS into Middle and High School Science, Earth Science, Biology, Environmental Science and more!



*All participants will be given materials to assist teaching at Long Island Sound. Including: Materials to make elevation meters, CD of modifiable forms, lesson plans, and other documents. Lamotte Water Quality Test Kit, plant press, & a series of Sea Grant Publications related to our activities*



CT teachers (grades 7-12) as well as pre-service teachers spend "a day at the beach" with Long Island Sound Mentor Teachers **Ken Fusco** and **Leanne Nolan** at Hammonasset State Park. Learn how to engage students in the exploration of a unique, natural area while still covering current science standards. Learn how these lessons can be used to integrate **NGSS** and **STEM** into your classrooms!

#### **LIMITED TO FIRST 10 teachers that SIGN UP.**

- Perform investigations, as you would have your student perform them, to learn by doing.
- Explore, compare, and contrast the salt marsh, sandy beach, and rocky shore environments.
- Investigate the adaptations that allow organisms to thrive in their environment.
- Conduct water quality analyses of all three areas.
- Learn how to "put it all together" to integrate LIS in your curriculum while having FUN!
- Discuss environmental impacts on LIS.
- Take home substantial resources, materials and activities which focus student understanding on the interdisciplinary, biological, physical and earth science concepts, which relate to the Long Island Sound.

#### NGSS Standards:

LS2A Interdependent Relationships in Ecosystems  
LS2C Ecosystems Dynamics, Functioning and Resilience  
LS4B Natural Selection and LS4C Adaptation  
ESS3C Human Impacts on Earth Systems

#### NGSS Crosscutting Concepts:

MS-LS2-4, HS-PS1-6

NGSS Science and Engineering Practices:

Asking questions and defining problems, Developing and using models, Planning and carrying out investigations, Analyzing and interpreting data, Using mathematics and computational thinking, Constructing explanations and designing solutions, Engaging in argument from evidence, Obtain, evaluate and communicate information, Reflecting on practices of Science and Engineering.

Workshop Cost and Registration:

- **Send** check for **\$10** (payable to Leanne Nolan) and **registration form** below to:  
Plainville High School  
C/O Leanne Nolan- Science Teacher  
47 Robert Holcomb Way  
Plainville, CT 06062
- **Lunch:** We will be going to Lenny and Joe's Fish Tale, you can buy lunch there or bring lunch if you wish. They have both fish and non-fish dishes.
- **Attire:** "Old" sneakers with good tread or boots. Plan on getting your feet wet. Dress warmly (think layers)
- **After receiving payment and registration, a detailed schedule and directions will be e-mailed to you. Questions?** Email Leanne Nolan (Nolanl@plainvilleschools.org) or call 860-729-4702.

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Name	
Address	
School	
School phone	
Home phone	
e-mail address	
Subject(s) taught (current)	