Immerse yourself in a week of experiential learning around local habitats in the coastal watershed of Salem Sound.

How are watersheds and the ocean inextricably connected?
We will explore a watershed beginning with a rocky hill, into local rivers, mucking through wetlands, and ending up on the ocean waters of Salem Sound. While in each habitat, we will use science and engineering practices to gain a deeper understanding of our local ecosystems and how they are connected. You will learn how to use the outdoors as a means of delivering your teaching goals and providing an opportunity for students to connect to their local places through science.

How can we connect students to authentic science that effects our communities?
We will share the natural history of local places that are rich with human impact. We will give you resources to use in the classroom that connect science topics to your local places and prepare your students for outdoor experiences. We’ll guide you in the development of outdoor project-based learning that meets curriculum standards.

CORE IDEAS
Ecosystems: Interactions, Energy, and Dynamics - sea level rise, invasive species, water quality
Earth’s Systems - climate change, topography, water, erosion
Earth and Human Activity - marine debris, stormwater, invasive species, coastal resiliency
Engineering – designing solutions to coastal problems

BEST PRACTICES
Science and Engineering Practices
Project-Based & Experiential Learning
Connecting to Local Resources

Audience: Grade 3 - 8 Formal and Informal Educators
Course Details: July 16 - 20, 2018 (8:30 am – 3:00 pm)
12 Federal Street, Salem, MA (minutes from the Salem MBTA Station)
Registration: Space limited. Register now (free this year thanks to a NOAA B-WET grant!)

PDPs and Graduate Credit: 30 PDPs earned for participation in the Institute. 3 graduate credits ($275) available through Salem State University for additional course work and a call-back day in November.

Register Here and For More Information:
info@salemsond.org 978-741-7900