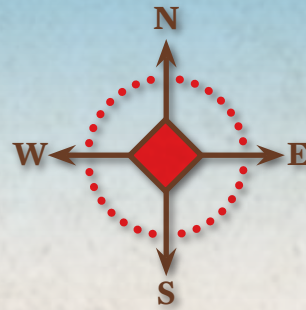


# World Science Festival

## Science on Site: Explorations on Governors Island

Saturday, June 4, 2011 10am – 6pm



### FERRY TO MANHATTAN

FREE Ferries to and from Governors Island every 30 minutes between 10:00am – 7:00pm

### Birding Governors Island

Walk #1 11:30am – 12:30pm  
Walk #2 1:15pm – 2:15pm  
Walk #3 3:15pm – 4:15pm  
Walk #4 4:45pm – 5:30pm

### Weather World

Demos 11:00am, 12:00pm, 1:00pm, 2:00pm & 4:00pm

### FERRY TO BROOKLYN

FREE Ferries to and from Governors Island continuously between 11:00am – 7:00pm

### Science on Site Stage

Presentation schedule available at location

### Fly Sky High: Kites on Governors Island

Demos 11:30am, 12:30pm, 1:30pm, 2:30pm & 4:30pm

### The Great Bug Hunt

Hunt #1 11:00am – 12:00pm  
Hunt #2 12:45pm – 1:45pm  
Hunt #3 3:00pm – 4:00pm  
Hunt #4 4:30pm – 5:30pm

### Kite-Making and WSF Kite Garden

PICNIC POINT

SOUTH ISLAND FIELDS

CASTLE WILLIAMS

FORT JAY

COLONELS ROW

PARADE GROUND

MYSTIC WHALER

Yankee Pier

### The Delicate Art of Sun Gazing

Timothy Ferris Talks 11:30am & 2:30pm  
Dean Pesnell Talks 12:00pm & 3:00pm

### Botanical Safari

Safari #1 11:00am – 12:25pm  
Safari #2 12:30pm – 1:55pm  
Safari #3 2:30pm – 3:55pm  
Safari #4 4:00pm – 5:25pm

### Oysters of New York Harbor

Oyster Dive 11:15am – 12:30pm

### Talks/Book Signing

Mark Kurlansky Talks 11:00am & 2:00pm

### All Aboard the Mystic Whaler!

Sail #1 11:00am – 1:30pm  
Sail #2 3:30pm – 6:00pm  
\$25 Excursion Fee  
FREE Deck Tours 1:30pm – 3:30pm

-  **WSF Visitor Center/  
Science on Site Stage  
Stage Presentations  
& Festival Merchandise**
-  **Event Information**
-  **Birding  
Governors Island**
-  **Botanical Safari**
-  **The Delicate Art  
of Sun Gazing**
-  **Weather World**
-  **Oysters of New York  
Harbor**
-  **The Great Bug Hunt**
-  **Fly Sky High: Kites  
on Governors Island**
-  **All Aboard the  
Mystic Whaler!**



# Adventures Await!

## Oysters of New York Harbor

The harbor that surrounds us is teeming with life. Join New York Times bestselling author of *The Big Oyster: History on the Half Shell*, Mark Kurlansky, for a hands-on exploration of the oysters in our waters. Learn how these "ecosystem engineers" are cultivated; discover new experimental reefs created to study the restoration of oysters in New York Harbor; and join in the effort by personalizing shells that will become a part of the reefs.

*Presented with The Hudson River Foundation, The River Project, Urban Assembly New York Harbor School, NY/NJ Baykeeper.*



## The Delicate Art of Sungazing

See the Sun in ways you never have before! Join renowned science writer Timothy Ferris, NASA's Solar Dynamics Observatory, and local amateur astronomers as we peer through solar telescopes at sunspots and solar weather. Get a close up look at the sun from space via satellite. Explore the sun from the ground with compasses, sun dials, and UV beads. Bask in its early summer radiance with fellow sun worshippers! *Presented with NASA Solar Dynamics Observatory.*



## The Great Bug Hunt

Explore the little (and not so little) winged wonders of the arthropod world on Governors Island. In this mysterious world run by insects and their relatives, there are pollinators, predators, plant munchers, and soil cultivators. Many will do everything they can to trick our observant eyes, hide out in flowers, or dupe us into thinking they're another insect or plant altogether. Take a journey with AMNH naturalist, Jay Holmes, that will introduce you to these amazing creatures right under your nose, over your head, and beneath your feet!

*Presented with American Museum of Natural History.*



## Fly Sky High: Kites on Governors Island

In January of 1897, for the first time in America, a kite lifted a man into the air... and it happened on Governors Island! Come see a "man-lifting kite" just like the one flown on the island over a century ago and see the modern version of that kite flying high today. Watch – and get some hands-on experience – as kites are used in wind experiments on the Parade Ground and then head to Picnic Point to build your own kites and enjoy the WSF Kite Garden!

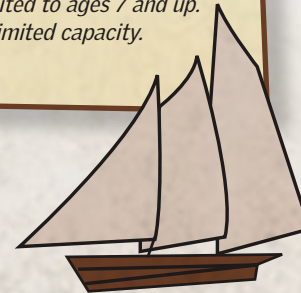
*Presented with Kiteman Productions.*

## All Aboard the Mystic Whaler!

Help raise the sails on the *Mystic Whaler*; set your course using charts and compass, and set off to explore the Hudson River. With Clearwater educators as your guides, identify the amazing variety of fish and invertebrates living beneath the waves; sample plankton; perform basic water quality tests; and learn about environmental issues impacting this important ecosystem. Enjoy a day of science on the Hudson – and sing some traditional sea songs, too – that you'll never forget.

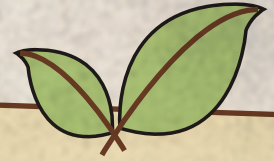
*Presented with Hudson River Sloop Clearwater.*

**PLEASE NOTE:** Due to safety considerations, limited to ages 7 and up. All children must be accompanied by an adult. Limited capacity. \$25 Excursion Fee.



## Botanical Safari

What's growing on Governors Island? Make history by being the first to compile a list of the spontaneous plants growing there. Take a closer look and you'll be amazed at the island's diverse plant life. With magnifying glass in hand, identify local plant species, find out what differentiates poisonous and edible plants, and use a plant press to keep a record of the specimens you collect. Join curator Robert Naczi to learn the ropes of botany from New York Botanical Garden's best! *Presented with The New York Botanical Garden.*



## Birding Governors Island

Make sure to bring your binoculars and join AMNH ornithologist, Joseph DiCostanzo, on a bird-watching adventure on Governors Island. Investigate different habitats – trees, fields, shorelines, and the surrounding harbor – and look for all kinds of exciting bird species, from the waterbirds of New York's Upper Bay to migrant birds stopping over on their way to their next destinations. Don't miss your chance to meet some of Governors Island's fine feathered inhabitants. *Presented with American Museum of Natural History.*



## Weather World

What causes wind? How do our city's buildings, trees, and coastlines influence our local weather? Governors Island provides the perfect opportunity to explore weather – from wind to clouds to the "seabreeze effect." Come make tornados (in a bottle), watch atmospheric pressure and convection currents work wonders on cans and food coloring, and see what kite flying and shooting a basket while spinning have to do with the weather and atmosphere. *Presented with CUNY NOAA-CREST Research Center and Howard University's NOAA Center for Atmospheric Sciences.*

