

2017-2018

# Student Group Programs

Explore Nauticus—an exciting maritime science museum featuring hands-on exhibits, aquariums, a large screen 3D movie theater, and more! Plus, take a self-guided tour of the Battleship *Wisconsin*—one of the largest and last battleships ever built by the U.S. Navy. Students can walk her teak deck, stand beneath her towering guns, and learn what life was like aboard a battleship!

**BOOK YOUR  
FIELD TRIP  
TODAY!**



Featuring the  
*Battleship Wisconsin*

One Waterside Drive, Norfolk, VA 23510

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# Programs

## Cool Science\*

(Grades 3 & up)

Experience amazing liquid nitrogen and combustion experiments as you discover the science of temperature and states of matter.

**Virginia Science SOLs:** K.1j, K.4, 1.1j, 2.1b, 2.1g, 2.3, 3.1g, 3.1i, 3.1j, 4.1e, 5.1i, 5.4, 6.4a, PS.2

## NEW TOPICS! Early Learners

Teachers must choose a topic:\*

(Grades Pre-K-K)

Weather & Me • Seeing the Sea • A Plant's Life

**Virginia Science SOLs:** K.1, K.7, K.10, 1.4, 1.7, 2.1, 2.8  
Programs include science activities and a story.

## Ready, Aim...Fire. Force, Motion and Energy (The Physics of a Turret)\*

(Grades 5-9)

This team-building activity is based on the physics of the Battleship *Wisconsin's* 16" guns. Using everyday objects, students will design and construct a working "turret." By practicing basic principles of physics, students then compete against each other to see which team designed the most effective turret.

**Virginia Science SOLs:** 4.2a,b,d; 6.2a,e; PS.6a; PS.10a,b,d; PH.6a,c

# Workshops

## Weather Workshop

(Grades 2-8)

Observe, feel and create the weather! Track a hurricane and learn weather trivia as your students play the Hurricane Adventure Game. Learn about weather instruments and even create a cloud like the swirling clouds you will see on NOAA's Science On a Sphere!

**Virginia Science SOLs:** K.8, 2.1, 2.6, 3.1, 3.8, 4.1, 4.6

## Watershed Workshop

(Grades 2-9)

Is the water in your backyard healthy? Discover how we are all connected to our watershed by examining our aquatic habitat. This program introduces students to the role watersheds play in our lives.

**Virginia Science SOLs:** 1.1; 1.3; 1.5; 1.8; 2.1; 2.5; 3.1; 3.3; 3.6; 3.10; 4.1; 4.5; 4.9; 5.1; 6.1; 6.5; 6.7; LS.1; LS.6; LS.9; LS.11; PS.1; PS.2; ES.1; ES.2; ES.11; BIO.1; BIO.2; BIO.8; CH.1; PH.1; PH.2; PH.4

## Risky "Wisky" Weather\*

(Grades 4-7)

How cool would it be to forecast the weather on a battleship? Students will learn how weather can affect ship performance and how sailors prepare for storms at sea. Give your students the chance to explore weather phenomena as well as collect data using forecasting instruments.

**Virginia Science SOLs:** 1.1; 1.7; 2.1; 2.6; 3.1; 3.3; 3.8; 3.9; 4.1; 4.6; 5.1; 5.7; 6.1; 6.5; 6.6; LS.1; LS.10; PS.1; ES.1; ES.12; BIO.1; CH.1; PH.1; PH.2

## Seeing the Sea\*

(Grades K-8)

Learn about ocean animals, light and sound, ocean pressure and more!

**Virginia Science SOLs:** 2.1; 2.5; 3.1; 3.4; 3.5; 3.6; 4.1; 4.2; 4.5; 5.1; 5.2; 5.3; 5.5; 6.1; LS.1; LS.4; LS.7; LS.8; LS.10; LS.12; LS.13; PS.1; PS.8; ES.1; BIO.1; PH.8

## Simple Machines Made Simple

(Grades 2-8)

Students will identify and locate the six standard types of simple machines on the Battleship *Wisconsin*.

**Virginia Science SOLs:** 3.1; 3.2; 4.1; 4.2

*\*All education programs last approximately 45 minutes. Programs with an \* are available as an outreach to your facility.*

## Robotics Workshop

(Grades 5-12)

Remotely Operated Vehicles (ROV) are the cutting-edge technology used to explore the ocean. Build your own ROV and test it out in this 90-minute workshop!

**Virginia Science SOLs:** 3.1; 4.1; 5.1; 6.1; ES.1; PS.1; PS.6; PS.8; PS.9; PS.10; PS.11; PH.1; PH.3; PH.4; PH.5; PH.6; PH.7; LS.1; WH.1; WH.5; WG.1; WG.6

## Under the Sea Workshop

(Grades 2-8)

Everything you want to know about ocean science is in this hands-on workshop. Learn about light and sound, adaptations ocean animals have to survive, as well as an opportunity for dissection.

**Virginia Science SOLs:** 2.1, 2.5, 3.1, 3.5, 4.1, 4.5, 5.1, 5.2, 5.3, 5.5, LS.1, LS.10

*All Nauticus workshops last approximately 90 minutes.*

## NEW! Marine Life on the Go

(Grades 1-8)

Learn the who, what, where and why about marine animal tagging and tracking and what we learn about our waters and the fascinating creatures who live there.

**Virginia Science SOLs:** 1.2, 1.5, 2.5, 3.6, 4.5, 5.2, LS.4, LS.8, PS.8, PS.10, ES.2, ES.10, BIO.8, PH.2, PH.3

## NEW! High Seas

(Grades 1-7)

Learn the causes and effects of sea level and what you can do to help.

**Virginia Science SOLs:** 1.1, 2.1, 2.8, 3.3, 3.6, 4.5, 5.6, 6.9, PS.1, PS.7, ES.2, ES.10, PH.7

## NEW! Living River, Hidden World

(Grades K-8)

The Elizabeth River is full of marine animals, but also, there's a whole world too small to view with the naked eye. Students will use a variety of technology to get a closer look at the hidden creatures in our local waters.

**Virginia SOLs:** K.4, K.6, 1.2, 1.5, 2.5, 3.3, 3.9, 4.5, 5.6, 6.7, LS.4, LS.8, ES.2, BIO.8, PH.3

## Suggested schedule:

- **10am:** Group arrives at Nauticus.
- **10:15 – 11am:** Enjoy a hands-on education program of your choice.
- **11 – 11:45am:** Watch *Secret Ocean in 3D* in our large screen theater.
- **11:45am – 12:15pm:** Break for lunch.
- **12:15pm:** Explore the Battleship *Wisconsin*  
(Cost for this itinerary: \$12 per student  
–or \$13 per student with Cool Science Program)

## Students: \$10

Add on:

- 45-min. education program: \$2
- 45-min. Cool Science program: \$3
- 90-min. education workshop: \$5
- 60-min. guided Battleship main deck tour: \$5
- Adults: 1:5 free adult chaperones.
- Additional adults: \$12

## Guidelines:

- A minimum of 15 paid guests are required to receive the group rate.
- Reservations are required in advance.
- A two-week notice is required for an education program.
- Rates are subject to change without notice.

## Outreach Pricing

Let us bring a Nauticus education program to you!

Choice of 45-minute education program.

Single class (up to 35 students) \$150

Additional Program/same day \$100

Assembly (36+) \$300

Additional Program/same day \$250

90-minute workshop (max of 100) \$400

Additional mileage fees may apply.

## Reservations:

Call: 757-664-1034

Website: [nauticus.org/visitor-info/groups](http://nauticus.org/visitor-info/groups)

