

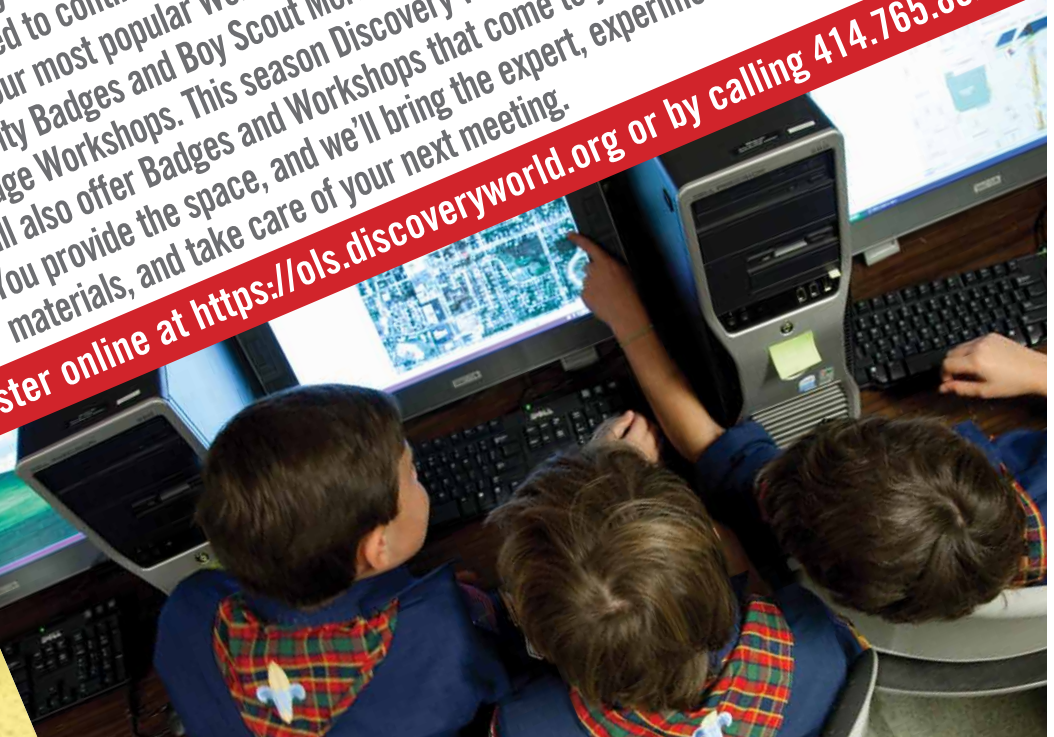


# DISCOVERY WORLD BOY SCOUT WORKSHOPS

**JAN-MAY 2012**

Discovery World is excited to continue to offer our most popular Webelos Activity Badges and Boy Scout Merit Badge Workshops. This season Discovery World will also offer Badges and Workshops that come to you! You provide the space, and we'll bring the expert, experiments, materials, and take care of your next meeting.

Register online at <https://ols.discoveryworld.org> or by calling 414.765.8625



Included in the price of a Boy Scout Workshop is admission to Discovery World. Parents/guardians are welcome to watch the Workshop free of charge but not required to stay. If Scout family members would like to explore Discovery World the day of the Workshop (when Discovery World is open to the public), prices for admission are \$12 for an adult and \$8 for a child. Please mention the discount code **SCTO1** when purchasing admission tickets at the Admissions Booth.

For questions about Workshop content and activities, or to set up your own private Workshop, please call the Scout Coordinator at 414.765.8764. A minimum of 10 participants is required for a private Workshop.

## Don't forget your punch card!

For every 2 hours spent in a Boy Scout Workshop, you will receive one punch on your Boy Scout Punch Card. Gather 10 punches and redeem your card for \$10 OFF your next Boy Scout Workshop.

### Special Notes:

- Please see the Admission Booth to get your special Scout Parking Discount (\$8/car).
- Boy Scouts participating in the Merit Badge Workshops need to bring their own Blue Cards.
- Only Boy Scouts are allowed to participate in the Discovery World Boy Scout Workshops.
- Don't forget to purchase your unique Discovery World Patch in the gift shop!



## Volunteer Today!

To earn volunteer hours, Scouts are welcome and encouraged to help us out! Call 414.765.8764 and we'll figure out the perfect way for you to become more involved in our Boy Scout Workshops.



# Winter/Spring 2012 Webelos Activity Badges at Discovery World

## SCIENTIST WEBELOS ACTIVITY BADGE

**\$10/Boy Scout**

Investigate Bernoulli's Principle, Pascal's Law, and Newton's first law of motion through hands-on demonstrations and experiments. After the Scouts show the effects of atmospheric, air, and water pressure they'll be able to talk to a scientist about his or her work.

<b>WED</b>	<b>January 4</b>	<b>6-8pm</b>
<b>WED</b>	<b>February 1</b>	<b>6-8pm</b>
<b>SAT</b>	<b>February 11</b>	<b>1-3pm</b>
<b>SAT</b>	<b>March 3</b>	<b>10am-12pm</b>
<b>FRI</b>	<b>April 13</b>	<b>6-8pm</b>
<b>WED</b>	<b>May 2</b>	<b>6-8pm</b>

## GEOLOGIST WEBELOS ACTIVITY BADGE

**\$10/Boy Scout**

Discover how the Great Lakes Basin has changed over 4.5 billion years and how organisms in our area have changed over time. Scouts will learn how to identify rocks and minerals found in the Great Lakes Region and find out how these geological materials are used in building your own home.

<b>SAT</b>	<b>January 21</b>	<b>10am-12pm</b>
<b>SAT</b>	<b>February 11</b>	<b>10am-12pm</b>
<b>WED</b>	<b>March 7</b>	<b>6-8pm</b>
<b>WED</b>	<b>March 28</b>	<b>6-8pm</b>
<b>SAT</b>	<b>April 21</b>	<b>1-3pm</b>

## COMMUNICATOR WEBELOS ACTIVITY BADGE

**\$15/Boy Scout**

Why tune into your radio when you can tour 88Nine RadioMilwaukee! Would you rather communicate via telephone or secret coded letters? Scouts will tour a radio station, earn their Computer Belt Loop, and invent their own secret code!

<b>SAT</b>	<b>January 28</b>	<b>10-1pm</b>
<b>SAT</b>	<b>January 28</b>	<b>2-5pm</b>
<b>WED</b>	<b>March 7</b>	<b>5-8pm</b>
<b>SAT</b>	<b>March 24</b>	<b>10am-1pm</b>
<b>SAT</b>	<b>March 24</b>	<b>2-5pm</b>
<b>SAT</b>	<b>May 12</b>	<b>10am-1pm</b>
<b>SAT</b>	<b>May 12</b>	<b>2-5pm</b>

## ENGINEER WEBELOS ACTIVITY BADGE

**\$10/Boy Scout**

Construct a working circuit, design a floor plan, and build your own catapult while working towards the Engineer Badge. Scouts will also visit the Simple Machine exhibit at Discovery World and learn about the many different careers in engineering.

<b>FRE</b>	<b>January 6</b>	<b>6-8pm</b>
<b>WED</b>	<b>January 25</b>	<b>6-8pm</b>
<b>WED</b>	<b>March 14</b>	<b>6-8pm</b>
<b>WED</b>	<b>April 18</b>	<b>6-8pm</b>
<b>WED</b>	<b>May 9</b>	<b>6-8pm</b>

## TRAVELER WEBELOS ACTIVITY BADGE

**\$10/Boy Scout**

Travel to the Eco-Driving exhibit to learn how much it costs to travel via car, bus, bike, or foot. Scouts will dissect local maps to learn how to navigate routes in their neighborhood and learn how to use a compass to get from here to there.

<b>SAT</b>	<b>January 21</b>	<b>1-3pm</b>
<b>FRI</b>	<b>February 24</b>	<b>6-8pm</b>
<b>FRI</b>	<b>March 30</b>	<b>6-8pm</b>
<b>SAT</b>	<b>April 21</b>	<b>10-12pm</b>



# Winter/Spring 2012 Boy Scout Workshops at Discovery World

\*Includes a 30-minute break; please bring food or money to purchase food or a snack in the café.

## ARCHAEOLOGY MERIT BADGE\* (3 DAYS)

**Member \$180 | Non-Member \$190**

Over the course of three days, Scouts will learn first hand what it takes to become an archaeologist by learning from Discovery World's own professional archaeologist. Scouts will work side by side to document and excavate a real archaeological site and uncover the evidence left by those who lived in Milwaukee's past.

<b>FRI</b>	<b>May 11</b>	<b>Part 1 4-9pm</b>
<b>SAT-SUN</b>	<b>May 12-13</b>	<b>Part 2 10am-5pm</b>

<b>FRI</b>	<b>May 18</b>	<b>Part 1 4-9pm</b>
<b>SAT-SUN</b>	<b>May 19-20</b>	<b>Part 2 10am-5pm</b>

## ARCHITECTURE MERIT BADGE\*

**\$55 Member | \$60 Non-Member**

If you build it, they will come! Take an architectural tour of Milwaukee's lakefront and parts of downtown. Meet a professional architect while you earn your Architecture Merit Badge and become skilled at the architectural process from sketches, all the way through to building construction.

<b>SAT</b>	<b>March 17</b>	<b>10am-5pm</b>
<b>SAT</b>	<b>May 5</b>	<b>10am-5pm</b>

## CHEMISTRY MERIT BADGE\*

**\$45 Member | \$50 Non-Member**

Put on your safety goggles and gloves because this Merit Badge is about to get messy, and maybe even a little tasty! Scouts will perform experiments to uncover the secrets behind ionization, caramelization, chemical and physical reactions, and much more!

<b>WED</b>	<b>February 8</b>	<b>4-9pm</b>
<b>SAT</b>	<b>April 14</b>	<b>10am-3pm</b>

Register online at <https://ols.discoveryworld.org> or by calling 414.765.8625

DISCOVERY WORLD

## COMPUTERS MERIT BADGE

**\$35 Member | \$40 Non-Member**

Scouts will learn the ins and outs of computers by developing their own PowerPoints, spreadsheets, and Word documents. At the end of the workshop, Scouts will tour Discovery World to learn about numerous ways computers can be used in an innovation center.

**WED January 18 5-9pm**  
**WED March 21 5-9pm**

## ELECTRICITY MERIT BADGE\*

**\$45 Member | \$50 Non-Member**

Discover the secrets of electricity by making an electro-magnet, a light switch, and a rheostat. Learn how to rescue someone touching a live wire, and learn what to do during an electrical storm! You will also learn what makes the eel at Discovery World electric!

*Scouts will need to complete Requirements #2 and #8 prior to attending the workshop. Please bring proof of completion to the workshop so the Merit Badge Counselor can sign off on the Blue Card.*

**WED February 22 4-9pm**  
**WED April 4 4-9pm**

## ELECTRONICS MERIT BADGE\*

**\$55 Member | \$60 Non-Member**

Master the use of a soldering iron by creating your own audio or digital circuit. Scouts will learn how to read and draw a schematic diagram as well as visit Discovery World's circuit bending exhibit.

**SAT February 25 10am-5pm**  
**SAT April 28 10am-5pm**

## ENERGY MERIT BADGE

**\$35 Member | \$40 Non-Member**

Can you guess how much coal is on the wall of coal at Discovery World? Explore Discovery World's nuclear reactor, model wind turbines, and human hamster wheels. Come see where your energy comes from and where it is going!

*Scouts must complete the following requirement prior to coming to the workshop in order to get their Blue Card signed: Requirement #4. Please bring proof of completed requirement to workshop.*

**FRI January 20 5-9pm**  
**FRI April 4 5-9pm**

## ENGINEER MERIT BADGE\*

**\$45 Member | \$50 Non-Member**

Discover the genius that created the modern world by recreating some of Nikola Tesla's electrifying inventions. Scouts will also perform experiments to show how to

convert energy and conduct electricity.

**WED February 15 4-9pm**  
**FRI March 23 4-9pm**  
**FRI May 5 10am-3pm**

## ENTREPRENEURSHIP MERIT BADGE

**\$35 Member | \$40 Non-Member**

Do you think you have a good idea? Well, now it's time to make money off that idea! Learn how to identify your business goals, market your idea, and finance your business. Entrepreneurship may be just the thing for you!

*Scouts will need to complete Requirement #6 after the workshop and show evidence (receipts, pictures, invoices, etc) of completed requirement. Please email Requirement #6 proof to ksmith@discoveryworld.org or mail it to Discovery World Attn: Scouts, 500 N Harbor Drive, Milwaukee, WI 53202.*

**WED February 29 5-9pm**  
**WED April 25 5-9pm**

## GRAPHIC ARTS MERIT BADGE

**\$35 Members | \$40 Non-Members**

Learn the art of screen printing and print your own bag or t-shirt. Scouts will use a combination of old and new graphic design techniques as they create their own logos, designs, and posters. You will leave Discovery World a Graphic Designer!

**SAT January 7 10am-2pm**  
**SAT March 3 10am-2pm**  
**WED April 18 5-9pm**

## INVENTORS MERIT BADGE\*

**\$55 Members | \$60 Non-Members**

How do you turn an idea into a real-life product? Can you invent the next best thing since sliced bread? Scouts will learn the design process while they design and create their own invention. They will work side by side with professional designers to build their prototype. Who knows, maybe it will be worth a million bucks!

**SAT March 17 10am-5pm**  
**SAT April 28 10am-5pm**

## MODEL DESIGN AND BUILDING MERIT BADGE\* (2 DAYS)

**\$70 Members | \$80 Non-Members**

Models and prototypes help designers see what a space, structure, machine, or vehicle will look like before it is built life-size. Design a space of your own and create an architectural model in the Kohl's Design It! Lab. Scouts will work side by side with design professionals to build a special-effects model of a fantasy spacecraft.

**WED-THUR January 18-19 4-9pm**  
**MON-TUES April 23-24 4-9pm**

## NUCLEAR SCIENCE MERIT BADGE

**\$35 Member | \$40 Non-Member**

Explore Discovery World's nuclear reactor model and find out how energy is created, stored, and then used. After learning the basics of nuclear fission, Scouts will design and create their own model of a nuclear reactor to take home.

**WED January 11 5-9pm**  
**WED April 11 5-9pm**  
**FRI May 11 5-9pm**

## OCEANOGRAPHY MERIT BADGE\*

**\$55 Member | \$60 Non-Member**

Go behind the scenes at the Reiman Aquarium and discover how a marine operations department manages a massive freshwater and saltwater exhibit. Scouts will be able to demonstrate their understanding of underwater topography after visiting the Wave Tank and be able to describe and identify species within the oceanic food chain.

**SAT February 11 10am-5pm**  
**SAT March 24 10am-5pm**  
**SAT April 28 10am-5pm**  
**SAT May 19 10am-5pm**

## PHOTOGRAPHY MERIT BADGE

**\$35 Members | \$40 Non-Members**

Scouts will learn to shoot like the professionals and will leave Discovery World a confident photographer. Learn the basics of cameras and photography, take photo shoots around Discovery World, and then learn how to edit your photos in Photoshop®.

*Scouts are encouraged to bring their own cameras, but are not required.*

**WED January 25 5-9pm**  
**SAT April 14 9-1pm**  
**SAT April 14 2-6pm**

## RADIO MERIT BADGE\* (2 DAYS)

**\$110 Member | \$120 Non-Member**

Discover how radio transmissions travel, what call letters mean, and how to draw a block diagram of a radio station. We will also travel to 88Nine RadioMilwaukee to learn more about the real equipment used, what licensing is required to operate a radio station, and what career choices are available.

**SAT-SUN January 14-15 10am-5pm**  
**SAT-SUN March 10-11 10am-5pm**

**ROBOTICS MERIT BADGE  
NEWER CONDENSED VERSION**

(Still earn the entire badge)\*

**\$55 Member | \$60 Non-Member**

Boy Scouts will design, build, program, and test their own robot using Lego® Mindstorm® NXTs. Scouts will also visit Discovery World's Rockwell Automation exhibit and learn about human-robot interface, robotic mobility, and robotic sensors. Friends and family will be invited to watch during the last half hour of the workshop as Scouts test their robots on the challenge course.

<b>SAT</b>	<b>January 7</b>	<b>10am-5pm</b>
<b>SAT</b>	<b>February 4</b>	<b>10am-5pm</b>
<b>SAT</b>	<b>March 10</b>	<b>10am-5pm</b>
<b>SAT</b>	<b>April 14</b>	<b>10am-5pm</b>

**SOIL AND WATER CONSERVATION  
MERIT BADGE\* (2 DAYS)**

**Member \$75 | Non-Member \$85**

During this two-day workshop, Scouts will explore The City of Freshwater exhibit at Discovery World and then visit a local environmental organization to learn how Milwaukee is taking steps to become more sustainable and eco-friendly. Scouts will also tour Lakeshore State Park with a member of the Lake Shore State Park Friends Group and see how the park is managed. This is one hands-on workshop you won't want to miss!

<b>FRI</b>	<b>April 20</b>	<b>Part 1 4-9pm</b>
<b>SAT</b>	<b>April 21</b>	<b>Part 2 10am-5pm</b>

**WEATHER MERIT BADGE**

**\$25 Member | \$30 Non-Member**

Are you a storm chaser? Have you ever wondered what causes wind, rain, hail, and lightning? In this workshop Scouts will perform experiments to understand just how scientific weather really is.

*Scouts will start Requirement #8a during the workshop and will need to complete their weather log; email or mail it in after completing the full requirement. Please email weather log to ksmith@discoveryworld.org or mail it to Discovery World Attn: Scouts, 500 N Harbor Drive, Milwaukee, WI 53202.*

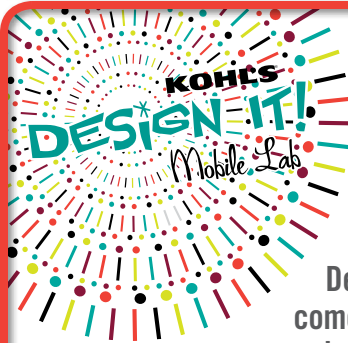
<b>FRI</b>	<b>January 13</b>	<b>5-8pm</b>
<b>FRI</b>	<b>April 27</b>	<b>5-8pm</b>

**Cancellation Policy**

In order to reserve your spot, you must either call the Reservations Department at 414.765.8625 or register online at <https://ols.discoveryworld.org>. Within two weeks of the Workshop, if you have not paid in full, you will lose your reservation.

1. In order to receive a full refund for any registration YOU cancel, the cancellation must be received at least ten (10) days before the start of the Workshop.
2. Cancellations received less than ten (10) days before the Workshop start date, but before the class start date, will be granted Discovery World Education Department programming credit equivalent to 75% of tuition, not including any material fees.
3. A cancellation received on or after the Workshop start date will receive no refund or credit.

A Workshop can be cancelled if it does not meet the minimum attendance threshold. In the event that fewer Scouts register than is required for a class to take place, Discovery World will notify parents of this situation before the start date and offer alternative classes or refunds. All final registration decisions will be made no later than five (5) days before the Workshop start date.



Looking for something to make your next Blue and Gold dinner or troop meeting extra special? Schedule Discovery World's Kohl's Design It! Mobile Lab to come to your next dinner, troop or pack meeting. Kohl's Design It!

Mobile Lab programs come directly to you and can add a unique experience and enhance your next troop or pack meeting! From technology to nature nearly any subject can be taught through these hands-on design experiences.



For questions about the Kohl's Design It! Mobile Lab please visit [www.designitlab.com](http://www.designitlab.com)

To speak to someone or reserve the Kohl's Design It! Mobile Lab call the Scout Coordinator at 414.765.8764.

500 North Harbor Drive  
Milwaukee, WI 53202

[www.discoveryworld.org](http://www.discoveryworld.org)

**DISCOVERY WORLD**

innovation | technology | environment

*It's where we're going*



# Scout Sleepovers Crime Scene Investigators

**A CRIME HAS BEEN COMMITTED AT DISCOVERY WORLD** and we need **YOU** to help us solve it! Scouts of all ages are invited to solve the crime by becoming forensic scientists for the evening and tracking down clues while analyzing fingerprints and other evidence in our interactive labs. Scouts will take over Discovery World for one full evening of adventure and discovery! Register online at <https://ols.discoveryworld.org> or by calling 414.765.8625.

**\$35/Scout and \$10/Chaperone**

**Fri | Feb 3 - Sat | Feb 4** 7pm-7am  
**Fri | Feb 17 - Sat | Feb 18** 7pm-7am  
**Fri | Mar 9 - Sat | Mar 10** 7pm-7am

## CSI: SLEEPOVER

**CRIME SCENE DO NOT CROSS**



# NEW! Boy Scout Satellite Program

## We come to you!

**HERE'S HOW IT WORKS:** Pick one of the Webelos Activity Badges or Boy Scout Merit Badge Workshops below and give us a call to set up a date and time that work for your troop and we'll come to you. All that we ask is that you have at least ten Scouts, a working space for each Scout (tables and chairs), and one chaperone for every ten participants. Troop leaders can sit back and relax because Discovery World's Scout Educators will bring all necessary supplies and materials needed to complete all requirements. This is a great option for troops that would like to substitute an Activity Badge or Merit Badge Workshop for their regular meeting time. Please call the Scout Coordinator at 414.765.8764 to set up your customized experience!

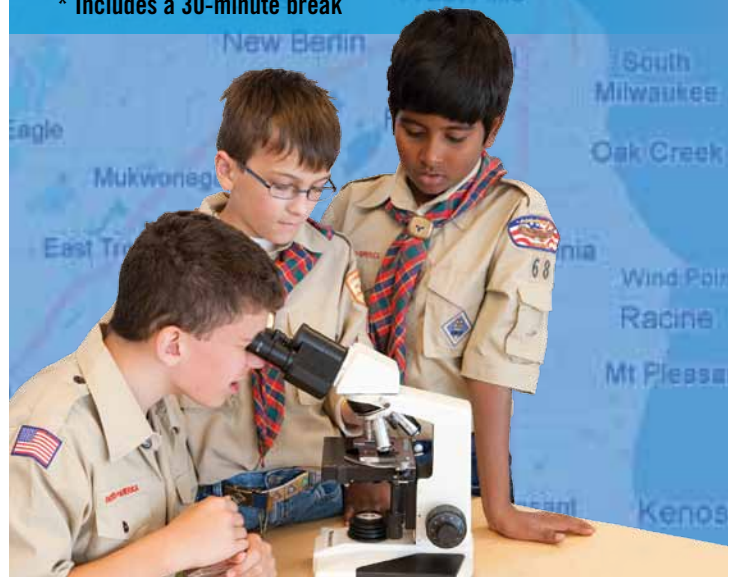
### WEBELOS ACTIVITY BADGES WE CAN BRING TO YOU:

<b>Engineer</b>	2 Hours	\$10/Boy Scout
<b>Scientist</b>	2 Hours	\$10/Boy Scout
<b>Geologist</b>	2 Hours	\$10/Boy Scout

### BOY SCOUT MERIT BADGE WORKSHOPS WE CAN BRING TO YOU:

<b>Electronics</b>	7 Hours*	\$55/Member	\$60/Non-Member
<b>Weather</b>	3 Hours	\$25/Member	\$30/Non-Member
<b>Chemistry</b>	5 Hours*	\$45/Member	\$50/Non-Member
<b>Engineer</b>	5 Hours*	\$45/Member	\$50/Non-Member
<b>Electricity</b>	5 Hours*	\$45/Member	\$50/Non-Member

\* Includes a 30-minute break





# S/V Denis Sullivan Boy Scout Sails

Join us for a 2-hour sail! Climb aboard the world's only three-masted recreation of a 19<sup>th</sup> century Great Lakes cargo schooner. When you step aboard the *S/V Denis Sullivan*, you can become part of our crew or sit back, relax, and enjoy. You are invited to help set the sails and take a turn at the helm while you enjoy Milwaukee's rich maritime past on the beautiful waters of Lake Michigan. Public sails on the *S/V Denis Sullivan* are perfect for all ages.

**ADULTS:** Members \$35 | Non-Members \$40  
**CHILDREN 12 AND YOUNGER:** Members \$30 | Non-Members \$35

### WEEKDAYS:

May 15	5pm
May 16	5pm
May 17	5pm
May 23	5pm
May 24	5pm
May 25	5pm
June 5	5pm
June 6	5pm
June 8	5pm
June 12	5pm
June 14	5pm
June 15	5pm

### WEEKENDS:

May 12	9am	12pm
May 19	9am	12pm
May 20	9am	12pm
June 9	9am	12pm
June 10	9am	12pm
June 16	9am	12pm
June 17	9am	12pm



Register online at <https://ols.discoveryworld.org>  
or by calling 414.765.8625



# Boy Scout Adventure Sail

Become part of the crew and learn the methods and skills of sailing a tall ship schooner. Learn the ecology of the Great Lakes, monitor the weather, and understand the environmental issues of our natural world.

Board the *S/V Denis Sullivan* at Discovery World at 9am, July 24. Return to Discovery World between Noon and 4pm, July 26. All accommodations provided: food, lodging, beverages, and snacks.

**\$600 Members | \$700 Non-Members**

*(Receive an additional \$500 discount if a troop reserves the entire program.)*

Sail is limited to 15 passengers.

### DATES OFFERED:

**July 24, 25, and 26, 2012**  
**3 day and 2 nights (ages 14 and older)**



Register online at <https://ols.discoveryworld.org>  
or by calling 414.765.8625