

DISCOVERY WORLD, Ltd.
DISCOVERY WORLD
500 North Harbor Drive
Milwaukee, WI 53202

Non-Profit
Organization
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Milwaukee, WI
Permit No. 5900

DISCOVERY WORLD HOMESCHOOL DAY

NOV 15, 2011

Enjoy interactive science and technology labs.
Meet other homeschool families.
Have fun together!



Discovery World connects innovation, science and technology with exploration, environment and our Great Lakes freshwater resources through interactive exhibits and experiential learning programs.

DISCOVERY WORLD
innovation | technology | environment
It's where we're going

500 North Harbor Drive | Milwaukee, WI 53202
(414) 765-9966 | Fax (414) 765-0311

www.discoveryworld.org

HOMESCHOOL DAY INNOVATION AND DESIGN

Discovery World is ready to launch a new year of Homeschool Day Programs! We are geared up to entertain and educate you on the exciting side of innovation, technology, and design.

Your family will participate in labs and other new activities with other homeschooling families. It's a great opportunity for you to meet other parents who choose to homeschool. Students will have a enjoyable time interacting with others as they participate in educational and fun activities.



HOW TO BOOK YOUR VISIT

- 1 Look at the schedule on the inside and choose activities appropriate for the ages of students in your family. Each student may sign up for as many experiences as he or she chooses. (Activities are subject to availability)
- 2 Mail the completed registration form with payment to Discovery World. If you have questions please call our reservations department at **414.765.8625** or email **reservations@discoveryworld.org**
- 3 You will receive confirmation of your schedule from Discovery World. **We'll see you November 15th!**

CANCELLATION POLICY: In order to receive a full refund for any registration, the cancellation must be received at least one week prior to the event.

Enclose payment with registration form and mail to address shown – **Attn: HomeSchool Day**

DISCLAIMERS: Discovery World will not be providing breakfast or snacks on Homeschool Day. Food can be purchased in the Discovery World Café or brought in.

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

Adults must remain on Discovery World property while classes are in session and may feel free to observe labs.

**REGISTRATION DEADLINE IS
MONDAY, NOVEMBER 14, 2011**

DAY SCHEDULE

AGES 13+ 45-minute labs unless indicated

10:30 AM SCREEN PRINTING
Design your own posters using ink, squeegees, and screens. In Discovery World's Print Lab you'll choose from a variety of designs and images that reflect your personal style. Professionals in the lab will guide you through the experience.

11:30 AM THE FUTURE OF DRAWING
Learn how computers can be used to communicate ideas by preparing images to be "drawn", using a variety of high-tech tools including laser-cutters and CNC machines. Students discover new technology, career opportunities, and communication techniques as they explore the Future of Drawing. The session concludes with the students' images being transferred onto acrylic with laser cutters.

1:00 PM 3D MODELING IN SKETCHUP
Engineers, designers, and animators all use 3D computer modeling to demonstrate and test ideas. Let your students imagine their futures by exploring the basics of 3D modeling and learning about career opportunities available to them today. This experience concludes with students presenting their designs to the class in an animation.

2:00 PM SCREEN PRINTING

AGES 10-12 45-minute labs unless indicated

9:30 AM THE FUTURE OF DRAWING
Learn how computers can be used to communicate ideas by preparing images to be "drawn", using a variety of high-tech tools including laser-cutters and CNC machines. Students discover new technology, career opportunities, and communication techniques as they explore the Future of Drawing. The session concludes with the students' images being transferred onto acrylic with laser cutters.

10:30 AM PRODUCT DESIGN
Explore concepts in measurement, anatomy, and economics while learning about careers in industrial design. Industrial designers are artists who create manufactured products that are valuable, beautiful, and useful. Students will use the knowledge they gain to redesign common items to improve their function, feel, or appearance.

10:30 AM MAPS & TOPOGRAPHY: LAKE MICHIGAN
Uncover the depths of Lake Michigan, from water quality to temperature and biology, by creating your own bathymetric map. Discover which aquatic species live at each thermocline as you construct this teaching tool layer by layer.

11:30 AM THE PHYSICS OF ARCHITECTURE
Enhance lessons on physics and mathematics by studying structures in architecture. Students are challenged to create and carry out experiments to test the strength of these forms and learn where they are best utilized in architectural design.

11:30 AM SCREEN PRINTING
Design your own posters using ink, squeegees, and screens. In Discovery World's Print Lab you'll choose from a variety of designs and images that reflect your personal style. Professionals in the lab will guide you through the experience.

1:00 PM THE FUTURE OF DRAWING

2:00 PM SCREEN PRINTING

2:00 PM MAPS & TOPOGRAPHY: LAKE MICHIGAN

AGES 7-9 45-minute labs unless indicated

9:30 AM PRODUCT DESIGN
Explore concepts in measurement, anatomy, and economics while learning about careers in industrial design. Industrial designers are artists who create manufactured products that are valuable, beautiful, and useful. Students will use the knowledge they gain to redesign common items to improve their function, feel, or appearance.

9:30 AM MAPS & TOPOGRAPHY: LAKE MICHIGAN
Uncover the depths of Lake Michigan, from water quality to temperature and biology, by creating your own bathymetric map. Discover which aquatic species live at each thermocline as you construct this teaching tool layer by layer.

10:30 AM SCALE, RATIO, AND DESIGN
Discover the importance of precise measurement and accurate information as it pertains to product design and architecture. Students learn how scale models are created using ratios and how this information is used to create products and spaces that fit the human body.

11:30 AM NATURE'S STRONGEST SHAPES
Discover what engineers and designers can learn by studying bones, trees, and bees. Investigate the ways in which Nature uses shapes to make weak materials strong. Create your own strong shapes and put them to the test; use this knowledge to design a product based on mimicking nature.

11:30 AM PRODUCT DESIGN

1:00 PM MAPS & TOPOGRAPHY: LAKE MICHIGAN

2:00 PM SCALE, RATIO, AND DESIGN

FEATURING:

HOMESCHOOL DIGITAL MEDIA PRODUCTION

Teen COOL CULTURE Video Experience* AGES 13+

2 HOURS

12:30 PM - 2:30 PM

\$12 MEMBERS | \$14 NON-MEMBERS

Experience the Video Studio and be the host of a Teen Cool Culture video show. Work with a team of other students to present the latest innovations on-camera. Scripts are provided as you reveal how design & science work together.

- Work in a pro-level video studio
- Learn to read scripts from a teleprompter (like news anchors)
- Be the on-camera talent (no experience necessary)
- Participants receive one take home DVD

***Note:** Cost for this lab is additional. Please see costs under **PAYMENT INFORMATION**.

FEATURING:

Kohl's Design It! Lab Quick Shop

Open Lab 9:00 AM - 2:00 PM | FREE*

Laser cutters, 3-D printers, and vacuum-formers are just a few examples of the high-tech tools you will encounter in the Kohl's Design It! Lab. Learn about design, innovation, and creativity while you create products ranging from laser cut architectural models to DIY wearables.

Dream It. Build It. Take It Home!

Located on the 2nd floor of the Technology Building.



* This experience is FREE and open to all Homeschool Day participants 10 years old and above. Those under 10 years old must be accompanied by an adult.



REGISTRATION FORM

Parent's Name(s) _____
Address _____ Apt. # _____
City _____ State _____ Zip _____
Phone _____
Email _____

Student's Name 1 _____ Age _____
Student's Name 2 _____ Age _____
Student's Name 3 _____ Age _____

Please put the number of participants enrolling in any particular class next to the name of the class. (All activities are subject to availability)

AGES 13+	AGES 10-12	AGES 7-9
— 10:30 AM SCREEN PRINTING	— 9:30 AM FUTURE OF DRAWING	— 9:30 AM PRODUCT DESIGN
— 11:30 AM FUTURE OF DRAWING	— 10:30 AM PRODUCT DESIGN	— 9:30 AM MAPS & TOPOGRAPHY
— 12:30 PM TEEN COOL CULTURE	— 10:30 AM MAPS & TOPOGRAPHY	— 10:30 AM SCALE, RATIO & DESIGN
— 1:00 PM 3D MODELING	— 11:30 AM PHYSICS OF ARCH.	— 11:30 AM NATURE'S STRONGEST
— 2:00 PM SCREEN PRINTING	— 11:30 AM SCREEN PRINTING	— 11:30 AM PRODUCT DESIGN
	— 1:00 PM FUTURE OF DRAWING	— 1:00 PM MAPS & TOPOGRAPHY
	— 2:00 PM SCREEN PRINTING	— 2:00 PM SCALE, RATIO & DESIGN
	— 2:00 PM MAPS & TOPOGRAPHY	

PAYMENT INFORMATION

PAYMENT DUE UPON REGISTRATION	Member		# Members Attending		Non-Member		# Non-Members Attending	
	Student or Child	Adult	Student or Child	Adult	Student or Child	Adult	Student or Child	Adult
Admission	\$4	\$6			\$6	\$8		
Lab	\$4	N/A			\$6	N/A		
Teen Video Workshop	\$12	N/A			\$14	N/A		
Kohl's Design It! Quickshop	Free	Free			Free	Free		

Are you currently a Member? YES NO

Please sign me up for a Family Membership \$75

Please sign me up for a Deluxe Family Membership (10% Senior Discount) \$125

Enclosed is a check for \$ _____ (Checks made payable to Discovery World)

Charge \$ _____ to my MasterCard Visa Discover Card Amer. Express

Card Number _____ Expiration _____

Name on Card _____ 3-digit Security Code (Last 3-digits on back of card)

Signature _____