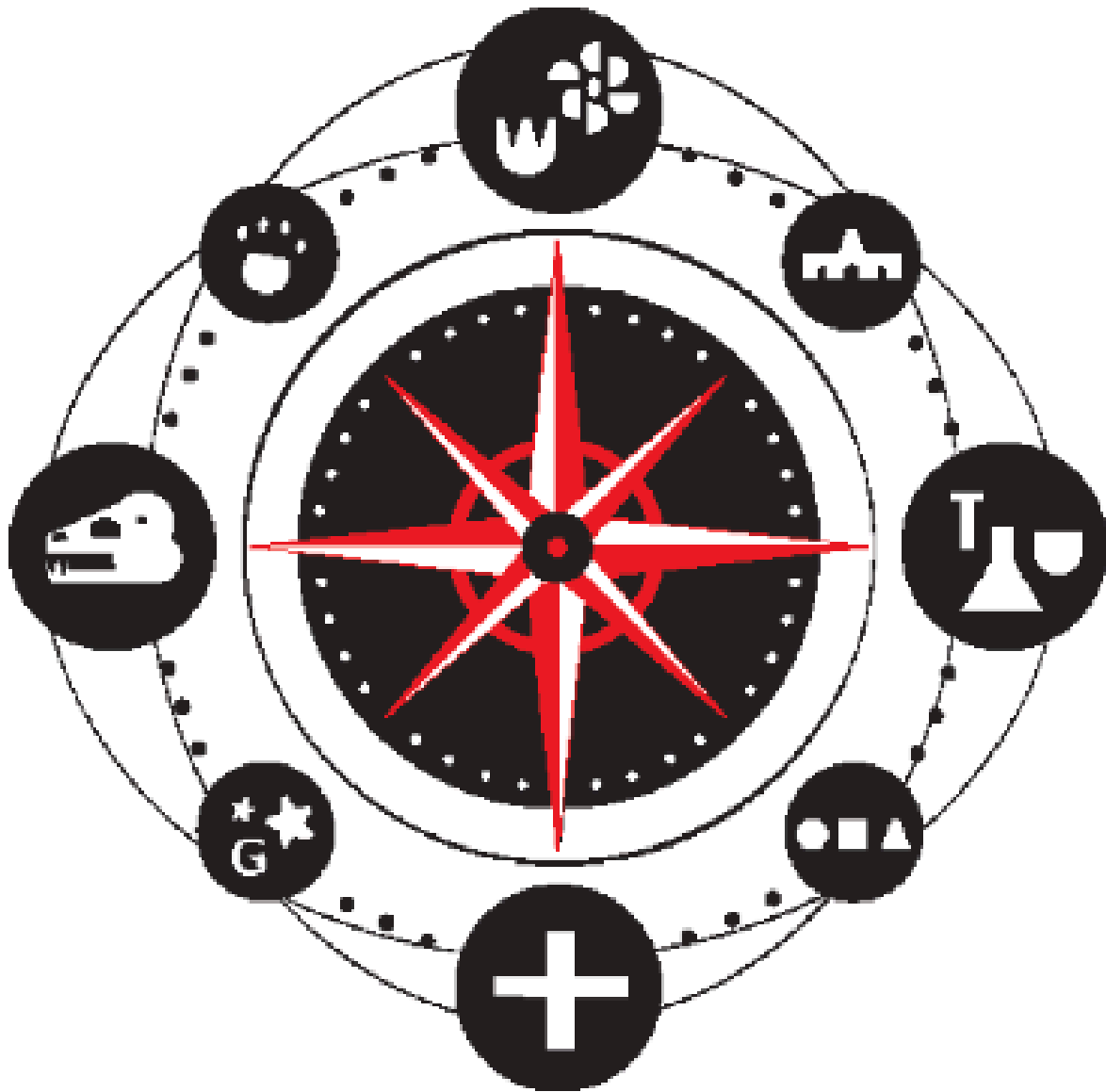


April 14, 15, 16



Science Expeditions

Exhibit Guide

Version 5 - Updated April 5, 2023

21th Annual UW-Madison Science Expeditions Campus Open House 2023 | science.wisc.edu

Friday, April 14th



GEOGRAPHY & WGNHS SCIENCE OPEN HOUSE | SCIENCE HALL | 4:00 - 6:00pm

UW Geography and WI Geological and Natural History Survey

Join the UW-Madison Geography Department in partnership with the WI Geological & Natural History Survey (WGNHS) for open house activities in Science Hall. Check out the map exhibit in the Robinson Map Library; view and learn about historic aerial photography with staff from the State Cartographer's Office; see examples from the longstanding History of Cartography Project; and learn about modern Geologic mapping techniques with staff from the WGNHS.



WISCONSIN ALUMNI ASSOCIATION OPEN HOUSE & ALUMNI PARK TOURS | ALUMNI PARK AND ONE ALUMNI PLACE | 1:00 - 4:00 PM

Wisconsin Alumni Association

Join us at One Alumni Place for an afternoon of science adventures for the whole family to enjoy. Activities include science-focused tours of Alumni Park and a scavenger hunt with prizes. This event is free to attend, and light refreshments will be provided. Science Expeditions is for budding science enthusiasts of all ages, but children under 18 must be accompanied by an adult.



WASHBURN OBSERVATORY OPEN HOUSE | WASHBURN OBSERVATORY | 8:30 - 10:00 PM

UW Astronomy Department

Visit historic Washburn Observatory and learn more about the telescope housed there. The telescope will be set up for viewing, weather permitting.



FLUID MECHANICS IN ENVIRONMENTAL PROCESSES LAB | WATER SCIENCE AND ENGINEERING LABORATORY | 1:00 - 5:00 PM

UW Civil and Environmental Engineering

Explore water flow with a wave tank and turbulence chamber.



CELLS AT A GLANCE | 6420B DELUCA BIOCHEMICAL SCIENCE BUILDING | 1:00 PM - 4:00PM

UW Biochemistry

Cells organize molecules and chemistry to build dynamic systems and perform complex behaviors like tiny robots. Join members of the Coyle lab in the Biochemistry department as we use microscopes to track cell behaviors and learn their molecular design principles. Come learn more about microscopes and explore eukaryotic cell diversity using different hand-built microscopes.



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CHAZEN MUSEUM | CHAZEN ART MUSEUM | 10:00 AM - 7:00PM

Chazen Museum of Art

Come explore art from around the world here at the University of Wisconsin-Madison.



LAKESHORE SCIENCE LAB | HASTLER LAB | 10:00 AM - 2:00PM

Center for Limnology

Join us on the shore of “the most studied lake in the world” for some hands-on activities centered around the science of our freshwaters. Lake Mendota is the birthplace of limnology in North America and scientists and students from Hasler Lab will introduce visitors to some of the plants and animals that call the lake home, demonstrate the dynamics of a watershed and more as we explore the science of our inland waters.



OPEN HOUSE FOR THE IMPROVED BABCOCK HALL | BABCOCK HALL | 2:00PM - 4:00 PM

Babcock Hall

The event features an interactive self-guided tour highlighting the building’s new state-of-the-art spaces. During the tour, participants will get to explore the largest dairy research center in the United States, and learn about the products manufactured in the UW dairy plant. The tour’s seven stations will feature an array of samples, including Babcock ice cream, along with tastings of various dairy products the CDR has been involved in developing.



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THERE'S SOMETHING FISHY GOING ON! | WEI | 10:00 AM - 1:00 PM

Wisconsin Sea Grant

Our Exploration Station will be an exploration of Great Lakes fish and fishing, including a live dissection of one or more species. Participants will test their knowledge and have the opportunity to make a Gyotaku (fish print) of their very own.



DEMONSTRATION OF GLASS MODEL | DISCOVERY | 10:00 AM - 1:00 PM

UW-Madison Chemistry Department

Scientific models are a key component of education. Realistic models can be made from a wide range of materials. In the late 1800's a father and son team of modelmakers made thousands of glass models of marine invertebrates for universities and museums around the world. Because they have no spine, aquatic invertebrates are well suited to be made from glass. This station will demonstrate a variety of glassblowing techniques used to create marine invertebrate and other types of models.



AQUAPONICS AS A CLOSED LOOP FARMING SYSTEM | WEI | 10:00 AM - 1:00PM

Department of Civil and Environmental Engineering - Hicks Lab

We will have a small aquaponics fish tank with plants and a fake fish, we will also have a small blow up pool with plastic fish that they kids can catch.



DC SMITH GREENHOUSE | DC SMITH GREENHOUSE | 10:00 AM - 2:00 PM

College of Agricultural and Life Sciences

Explore plants and check out exploration stations in the greenhouse.



WEI OPEN HOUSE | WEI LOBBY | 10:00 AM- 1:00 PM

Wisconsin Energy Institute

Engage with Wisconsin Energy Institute scientists while exploring fun, interactive demonstrations and learning about the work being done to further our transition to clean energy systems. Design and test your own wind turbine blades, conduct an experiment to find out how to make biofuels, explore amazing underground ecosystems, tour a state-of-the-art laboratory, and much more during this open-house event.



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ORGAN DEMONSTRATION | DISCOVERY | 10:00 AM - 1:00PM

Doctors Ought to Care

Station will have multiple organs with trays and gloves for individuals to feel and hold the organs.



LAVA LAMPS | DISCOVERY | 10:00 AM - 1:00 PM

Biocore Outreach Ambassadors

Molecules of water do not like to mix with molecules of oil. Put the two together in a small bottle and try shaking them up; you can see that even if they are shaken together, the oil breaks into smaller bubbles but still does not mix with the water. If you add food coloring, you can see that the food coloring only colors the water. That's because, like water, food coloring does not like to mix with oil.



AOSS OPEN HOUSE AND BUILDING TOUR | AOSS | 10:00 AM - 2:00 PM

SSEC

Explore weather and science at the building for Atmospheric, Oceanic, and Space Sciences! Here we will explore a variety of weather topics, from tornadoes to air pollution. Visitors can walk through our mobile atmospheric science laboratory, and can also visit our rooftop where instruments receive satellite data in real time.



ELEPHANT TOOTHPASTE | DISCOVERY | 10:00 AM - 1:00 PM

Madison Country Day School/Edgewood College

Join us for the most spectacular chemical reaction you've ever seen! Learn about how to make foams from common household chemicals, and experiment to find out which formula works best. We'll also have information about summer STEM programs for students in grades K-12 from astrophysics to computer programming.



SOLAR POWERED CHARGING STATION | DISCOVERY | 10:00 AM - 1:00 PM

Engineers Without Borders

Guests can race solar powered cars and see the solar powered phone charging station created by members of EWB-Puerto Rico.



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MARMOSETS IN OUR MIDST | WISCONSIN NATIONAL PRIMATE RESEARCH CENTER | 12:00 PM - 5:00 PM

Wisconsin National Primate Research Center

Join us at the Wisconsin National Primate Research Center to learn about life-saving research and humane animal care. The common marmosets in our lobby vivarium inspire curiosity among all ages. We will also have some cool videos and learning activities for visitors to enjoy as they learn about Primate Center research and animal care. Face masks may be required.



THE SCIENCE OF GUMMY BEARS | DISCOVERY | 10:00 AM - 1:00 PM

Food Science Department

We plan to put gummy bears in different solutions and show the kids what happens to them and why



LISTEN UP! LEARN ABOUT YOUR HEARING AND HOW TO PROTECT IT! | DISCOVERY | 10:00 AM - 1:00 PM

Doctor of Audiology Program

In this Exploration Station, learn about how sound travels through the auditory system and how loud sounds can damage your hearing.

Activity 1: Make a cochlear hair cell out of some delicious ingredients!

Activity 2: Look inside your own ears with our video otoscope!



MATERIALS THAT CHANGE YOUR WORLD! | DISCOVERY | 10:00 AM - 1:00 PM

MRSEC-Materials Research Science and Engineering Center

Materials Scientists and Engineers create new things to solve problems and make the world a better place. Come get hands-on experience with amazing materials that have changed your world. You'll explore LEDs, ferrofluids, magnets, and metallic glasses and x-ray diffraction. Talk to the scientists here at the UW who are creating better devices from computer chips to super strong glass using Materials Science.



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DISCOVERING INSECT DIVERSITY | DISCOVERY | 10:00 AM - 1:00PM

Insect Ambassadors

Come learn about the diversity of insects, and get a chance to hold a hissing cockroach! Insect Ambassadors will be bringing several insect display cases showing insects from all over the world, as well as native insects of Wisconsin. We'll also be bringing a few live Madagascar hissing cockroaches for visitors to pet or hold as they are comfortable. Bring any questions and let us know your favorite insect!



THE WONDERS OF PHYSICS | 2103 CHAMBERLIN HALL | 11 AM & 2:00 PM

Physics

This will be an encore performance of the annual The Wonders of Physics show in February. No tickets are needed for the shows and each show will run 60-75 minutes.



SCIENCE WITH 8 LEGS | DISCOVERY | 10:00 AM - 1:00 PM

Entomology

Exploration station is focused on ticks and tick-borne diseases. Explorers will learn all about ticks and how to prevent tick bites. Station will include mannequins for explorers to find ticks on clothing along with other exciting hands-on activities and games focused on ticks.



ARTIFICIAL INTELLIGENCE FOR ANIMAL FARMING | DISCOVERY | 10:00 AM - 1:00 PM

Animal and Dairy Sciences

We will demonstrate AI technology for animal monitoring. We will bring two calves to the Discovery Building and install sensors for behavior monitoring.



GEOLOGY MUSEUM OPEN HOUSE | GEOLOGY MUSEUM | 9:00 AM - 4:00 PM

UW Geology Museum

Explore the Geology Museum and take a peek into Wisconsin's deep history! On your visit you can touch rocks from a time when there were volcanoes in Wisconsin; see corals, jellyfish and other sea creatures that used to live and swim where we now walk; and stand under the tusks of a mastodon while imagining yourself in the Ice Age.



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DIVING INTO WISCONSIN SHIPWRECKS! | DISCOVERY | 10:00 AM - 1:00 PM

Wisconsin Historical Society

The program will be a table with six small activities, each focusing on a different element of maritime archaeology or the maritime history of the Great Lakes. Artifacts Tell a Story: teaching about what an artifact is and why they are important to archaeologists. Participants receive a story about a shipwreck and then match which artifacts spread across a given shipwreck match the shipwreck. Dress the Diver: I will have some diving equipment available on hand for participants to explore. Parts of a ship. I'll have large mosaic images of actual shipwrecks sunk in Wisconsin waters off of Lake Michigan with nautical terms spread out across the wreck and it will be up to participants to match the parts of the ship. I will also have puzzles on hand for younger participants that show images of the common types of ships that plied the Great Lakes. I will also have a cartesian diver exhibit on hand that will demonstrate the concept of buoyancy and how it applies to scuba divers studying shipwrecks. Finally, I will also have a Density Sphere experiment that demonstrates water density and how it applies to scuba divers studying shipwrecks.



EXTREME SOUTH POLE SCIENCE | DISCOVERY | 10:00 AM - 1:00 PM | CHAMBERLIN HALL 11 AM - 4:00 PM

WIPAC

Come experience the world of the neutrino, often called the weirdest particle in nature. Learn about the unique properties of the so-called ghost particle, which can pass through the Earth undeflected and exist in three identities at the same time. Learn how the IceCube Neutrino Observatory detects these particles and what it's like to work and live in the extreme environment at the South Pole in Antarctica.



BOTANY GARDEN AND GREENHOUSE | UW- MADISON BOTANY AND GREEN HOUSE | 10:00 AM - 2:00 PM

Botany

This 8,000 square foot growth space and 1.3 acre of land houses the Department of Botany's extensive collection of more than 1,500 unique species of plants and 210 plant families. Come and visit each of the 8 greenhouse rooms that take you through a journey of the tropics, desert, bog, and fern forest. This collection of aquatics, succulents, bryophytes, ferns, orchids, herbs, and woody plants are used for teaching general botany, systematics, taxonomy, plant ecology, and plant anatomy to name a few. These houses also provide a space for the students and faculty of the Department of Botany to carry out research on a diverse array of species with extensive morphological variation. The Botany Garden and Greenhouse is an integral part of the student's experience here on campus, as well as provide public tours throughout the year.



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WHAT CAN WE FIND IN THE SOIL | DISCOVERY | 10:00 AM - 1:00 PM *Soil Science*

Our Exploration Station will guide learners on an adventure to discover what lives in the soil. We will have two microscopes with fresh soil that includes live soil critters like mites, worms and other fauna for learners to observe on built-in monitors. We will have a "Make Your Own Microbe" station where learners will have the chance to design their own microbe with multi-colored construction paper, scissors, crayons, googly eyes, pipe cleaners and other arts and crafts supplies. Additionally, we will have soil paints with a variety of hues/values/chromas that will be provided alongside paper and brushes. As a resource, we will have printed reference sheets with more information about microbial morphology to help with the make Your Own Microbe station as well as larger pictures with more information about different types of soil fauna. Lastly, we will provide the opportunity for learners to test respiration levels of soil samples using a CO2 analyzer!



THE DOSE MAKES THE POISON | DISCOVERY | 10:00 AM - 1:00 PM *Molecular & Environmental Toxicology Graduate Program*

Have you heard that everything is okay in moderation? Do you think that's true? Come learn if you're right. Everyone's welcome to enjoy family friendly activities and to learn more about toxicology. We're focusing on the importance of dilution and the ways toxicologists think about dosage.



UNDERWATER MEDITATION IN VIRTUAL REALITY | DISCOVERY | 10:00 AM - 1:00 PM

The BRAVE Research Center, Department of Psychiatry

Learn about how deep breathing can help regulate big feelings by exploring an underwater environment on an Oculus headset! We will have two headsets for use to play a VR-video game (DEEP), where you use deep breaths to control your character's movement. Additionally, we will have study materials and take-home swag for our two neuroscience studies, which are currently recruiting 10-16 year olds and a caregiver.



EXPLORE E-CYCLING! | WEI | 10:00 AM - 1:00 PM *Wisconsin DNR*

Handouts and interactive activities related to electronics recycling in Wisconsin. What to do with your old devices.



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ARE YOU AFRAID OF WATER? | DISCOVERY | 10:00 AM - 1:00 PM

UW-Madison Chemistry department -- Lynn Lab

The Lynn Lab specializes in making superhydrophobic materials; come by to explore the unique way in which water interacts with our surfaces and everyday objects.



WHERE IN THE WORLD DID THIS PLANT COME FROM? | DISCOVERY | 10:00 AM - 1:00 PM

USDA-ARS and UW Department of Horticulture

Can you imagine a time when an ear of corn could only feed a field mouse, or when Italians had never heard of tomato sauce? Can you picture Szechwan without hot peppers, Belgium without chocolate, Germany without beer, or Georgia without peaches? It wasn't long ago that the culinary world was very different from what it is today. Most of the fruits and vegetables that we enjoy were unknown or didn't exist! For centuries people around the world have used genetics to develop crops from wild plants, often making dramatic changes to taste, texture and appearance in the process. Find out where the wild ancestors of our fruits and vegetables are found, and discover how their domesticated descendants traveled throughout the globe to enrich our lives. Explore with us the fascinating origin of the food you eat and how scientific advancements ensure a never-ending supply of healthy fruits and vegetables for your dinner table.



YOU HATE BACTERIA? SO DO PHAGES! | DISCOVERY | 10:00 AM - 1:00 PM

Integrated Program in Biochemistry

The overarching goals of this exploration station is to teach kids about what phages are, how they specifically infect bacteria, and that not all viruses are bad. We want to teach kids about how phages look, what they do, and how they can be used for good. To teach kids about phages and how they work, we built a phage prop that mimics how phages look and exhibits how they specifically infect bacteria. Our prop consists of a 3D printed phage that directly mimics how most common phages look. To educate kids on how phages specifically infect bacteria and their high host specificity, we used a circuit system. When the phage attaches to the correct receptor on the surface of the bacteria (represented by a water balloon), a light bulb will turn on. If the receptor is not correct, the light bulb will remain off. To achieve this, we used "Squishy Circuits" (<https://squishycircuits.com/>) which uses playdough to create the circuits. We attached one part of the circuit to the tail fiber of the phages and the other part of the circuit to the surface of the "bacterial cell". The circuit is completed when the phage touches the receptor on the cell surface which then results in the light bulb turning on. To discriminate between phages that can infect a bacteria (light



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DISCOVERING ELECTROMAGNETIC PHENOMENA | WEI | 10:00 AM - 1:00 PM

Wisconsin Science Museum

Visitors will see for themselves how electricity is produced using vinegar and zinc, as Alessandro Volta did in 1799. By providing the first source of continuous electric current, Volta made possible the many electrical and electronic appliances, tools and gadgets that we have today. Soon after Volta's invention other scientists Hans Christian Oersted Michael Faraday and Joseph Henry led the way to electromagnetic generation of electricity and the use of electromagnetic forces to do work. Visitors will examine and operate several examples of electromagnetic energy in action.



CHEMISTRY WITH WATER | DISCOVERY | 10:00 AM - 1:00 PM

UW Madison Chemistry Department, GSFLC Outreach Committee

Chemists study how molecules interact to create new materials, influence biological systems, and more. Participants will learn about what a polymer is and how polymers are used in many of the materials we interact with daily. Alginate is a polymer produced by kelp and bacteria that is used in applications from wound dressings to food thickening. Visitors will learn about how the molecular structure of alginate gives it unique properties and will get to make their own alginate "jellies"! We will also discuss how the oil- or water-loving nature of molecules affects their interactions, and visitors will use these properties to create colorful designs in a dish of milk!



FIREWORKS IN A JAR | DISCOVERY | 10:00 AM - 1:00PM

Graduate Women In Science

We take a jar with a few tablespoons of oil and put food coloring drops into the oil. Then, we pour the oil and food coloring mixture into a jar with warm water and see how the food coloring moves from the oil into the jar. We can then test this with cold water to see if there is a difference between the two temperatures.



HOW DO GERMS SPREAD? | DISCOVERY | 10:00 AM - 1:00 PM

Catalysts for Science Policy (CaSP)

An epidemiology events tailored primarily for younger students that illustrates how diseases can spread from one person to another using "Glo Germ" a glow in the dark gel that simulates the presence of germs on hands. Students will then "high five" each other for 60 seconds and using a blacklight, we will see how the high fiving progressed spread of the gel. Then, we will introduce a "safety" policy, such as washing hands before highfiving to see how that affects spread of disease. Then, we discuss how government institutions such as the CDC use these health and safety polices to protect us.



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WHAT IS COMPARATIVE PSYCHOLOGY | DISCOVERY | 10:00 AM - 1:00 PM

Developmental Psychobiology Lab

How do monkeys and other animals learn, remember, and solve problems? At this station we have engaging hands-on activities to promote learning about comparative psychology. Visitors can play videogames, solve puzzles, and learn more about the behavior, cognition, and brains of humans and other animals.



WASHBURN OBSERVATORY OPEN HOUSE | WASHBURN OBSERVATORY | 8:30 - 10:00 PM

UW Astronomy Department

Visit historic Washburn Observatory and learn more about the telescope housed there. The telescope will be set up for viewing, weather permitting.



LAVA LAMP AND LIPIDS IN YOUR BODY | DISCOVERY | 10:00 AM - 1:00 PM

Biology Outreach Club, with the Cellular and Molecular Biology Department

We invite audiences to engage in a hands-on demonstration where they make their own lava lamp using baking soda, oil, and vinegar, and learn about how our bodies carry around all the oils that do not mix with the water in our body.



HOW WE PERCEIVE COLOR | DISCOVERY | 10:00 AM - 1:00 PM

McPherson Eye Research Institute

This Exploration Station demonstrates how people see and perceive colors differently. Color blindness is explored through activities and simulations. Our perception of color also depends on its surroundings and context. Visual illusions and examples of everyday objects show how different colors can look alike or identical colors can look different.



DIFFERENT WAYS OF SEEING | DISCOVERY | 10:00 AM - 1:00 PM

McPherson Eye Research Institute

This exploration station utilizes specially prepared goggles that participants wear to simulate visual impairments and experience some of the difficulties faced by the visually impaired on a daily basis. Participants try reading, writing, telling time, looking at eye chart, catching a ball while wearing the simulation goggles, and try reading in Braille.



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CAN YOU BELIEVE YOUR EYES? | DISCOVERY | 10:00 AM - 1:00 PM

McPherson Eye Research Institute

This exploration station employs virtual and physical demonstrations of optical, physiological and cognitive illusions to help visitors learn about visual perception and the brain.



BE WISE AND SHADE YOUR EYES | DISCOVERY | 10:00 AM - 1:00 PM

McPherson Eye Research Institute

This exploration station uses uv-sensitive beads and uv-blocking materials to educate visitors about damaging UV light and promote sunglass use to limit UV light exposure to the eye.



COW EYE DISSECTION | DISCOVERY | 10:00 AM - 1:00 PM

McPherson Eye Research Institute

This exploration demonstrates a startling fact: our eyes have a hole in which we cannot see anything, yet we are normally unaware of the blindspot. The explanation of the blindspot is shown by dissecting a cow eye to see the different parts of the eyeball.



WHY ALL THE BUZZ ABOUT BEES? | DISCOVERY | 10:00 AM - 1:00 PM

USDA-ARS

To bee or not to bee? What is a bee? Learn to recognize and distinguish bees from wasps and other insects. What do bees do? Why are they so important? What is causing their decline? What food do you need bees for? What would a world without bees look like? These are different themes that will be presented via hands-on activities.



MEDICAL PHYSICS: PUTTING THE "RAD" INTO RADIATION | CHAMBERLIN HALL | 11:00 AM - 2:00 PM

Medical Physics Department

Our station will explore some of the ways that we use physics to image the human body. Guests will use a portable ultrasound system to see if they can identify various food items in an opaque gelatin mold, use a Geiger counter to detect radioactive objects, and try to identify anatomy in radiographic (X-ray) films.



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STEM CELL LEARNING LAB | DISCOVERY | 10:00 AM - 1:00 PM

Student Society for Stem Cell Research

The Stem Cell Learning Lab is a hands-on experience that educates children on the basics of stem cells and the importance of researching them. Our learners view real stem cells under the microscope and use the same equipment and methods that researchers use to prepare and grow their cells. Our participants use realistic cell and media substitutes to practice laboratory techniques.



SURFACE CIRCUS: THE INCREDIBLE SURFACE OF WATER | DISCOVERY | 10:00 AM - 1:00 PM

Chemistry Department

Lots of soap bubble activities: wheel chair-accessible bubble chair, bubble wall, soapy surfer, other activities - we typically draw a lot of children, their parent, and their grandparents who want to know what it is like to be inside a human sized bubble. It is wheel chair accessible.



INGERSOLL PHYSICS MUSEUM OPEN HOUSE | 2130 CHAMBERLIN HALL | 10:00 AM - 3:00 PM

Physics Department

Come visit our interactive, kid-friendly, physics museum in Chamberlin Hall on the UW-Madison campus. Enjoy a hands-on experience with physics exhibits covering topics from mechanics to modern physics. Tour guides will be in the museum during open house hours to answer questions and give tutorials.



HOW OUR SENSES HELP US MOVE | DISCOVERY | 10:00 AM - 1:00 PM

Speech Motor Neuroscience Group

At our Exploration Station, you will see how the brain uses your senses to learn to move: vision to move your arms (to play cornhole), and hearing to move your mouth and tongue (to speak)! See how quickly you can learn to play cornhole while wearing prism glasses. The prisms introduce a visual error that your brain can learn to correct for -- but what happens when you take off the glasses? In another activity, you can try to recreate vowel sounds by playing sound through tubes with different shapes. You'll have to listen while you adjust the shape of the tube to learn how to get the sound you want.



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PLASTIC PANIC I WEI I 10:00 AM - 1:00 PM

Biological systems engineering/ WEI

Travel on a journey through a wastewater treatment plant to learn about microplastics and how they are caught (or not) at the wastewater treatment plant.



PLASTIC PLASTIC EVERYWHERE! WHERE DOES IT ALL GO? I WEI I 10:00 AM - 1:00 PM

Wisconsin Sea Grant

Plastic is found in every ecosystem and is an increasing threat to environmental and human health globally, including in the Great Lakes. Most marine debris entering waterways is "land-based," meaning the debris' source is from human activities on land rather than water. This waste, intentionally or unintentionally released into the environment, is eventually washed downstream during storm events ending up in our waterways. In this activity, we will explore different environments in which plastics end up (beach, lake, and more). Not all plastic goes to the same spot and can converge in specific habitats and ecosystems and affect humans and wildlife. Therefore, understanding how different types of microplastics partition in the environment can help scientists determine which animals are more likely to be impacted by plastic. Once the plastic is in the environment, our goal is to remove this threat. We'll explore how to sort plastics and the importance of proper recycling versus "wish" cycling.



DIEGESTING DAIRY: BREAKING DOWN DAIRY WITH ENZYMES I DISCOVERY I 10:00 AM - 1:00 PM

Weeks Lab, UW Madison Biochemistry

Learn about proteins, and how enzymes break down materials with a fun demonstration using dairy. Watch as enzymes change the properties of milk! Join members from Amy Weeks' research laboratory from UW Madison Department of Biochemistry as we explore the power of proteins. Participants will get hands-on experience using subtilisin, an enzyme that breaks down other proteins. We will observe changes in milk as subtilisin digests casein, one of the main proteins in milk.



EXPERIENCE WEAVING, INGENUITY & ENTREPRENEURSHIP WITH "HELLO LOOM" I DISCOVERY I 10:00 AM - 1:00 PM

Biotechnology Center

Learn to weave with the hand-held "Hello Loom" invented at UW-Madison by Professor Marianne Fairbanks. Find out how she worked with WARF (the Wisconsin Alumni Research Foundation) to patent her invention and then set up "Hello Loom" as a business to make it easier for everyone to learn the arts & techniques of weaving. Explore how "Hello Loom" is made with computer-aided manufacturing using laser-cutting techniques on wood laminates.



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HAND MADE IN AMERICA: CONTEMPORARY CUSTOM FOOTWEAR I LYNN MECKLENBURG DESIGN GALLERY, NANCY NICHOLAS HALL I 12:00 PM - 4:00 PM

Mecklenburg Textile Gallery

Curated by shoemaker and artist Amara Hark-Weber, Hand Made in America: Contemporary Custom Footwear features 11 accomplished shoe and boot makers working across the United States today. These makers build upon tradition in the creation of modern bespoke footwear. In conversation with historic shoes from the Helen Louise Allen Textile Collection, the work featured ranges from sculptural to practical, from traditional to conceptual. Their work highlights the wide range of styles, techniques, and approaches in current practice. This exhibit celebrates a small world of incredibly skilled craftspeople, who labor in relative obscurity.

This exhibition features shoe and boot makers Daphne Board, Greg Carmack, Rachel Corry, Sarah Madeleine T. GUERIN, Paul Krause, Lee Miller, Jesse Moore, Marcell Mrsan, Lisa Sorrell, Francis Waplinger and Amara Hark-Weber.



HAZEN MUSEUM I CHAZEN ART MUSEUM I 11:00 AM - 5:00PM

Chazen Museum of Art

Come explore art from around the world here at the University of Wisconsin-Madison.



BATTLE OF THE BEAKS I DISCOVERY I 10:00 AM - 1:00 PM

Undergraduate Genetics Association

We will be doing an activity on natural selection. Participants will be in teams. Each team will be provided with a "bird beak" made from craft materials. Then, we will set a timer and participants will try to pick up food with their beaks. The team that picks up the most food wins that round. Then, the team who picked up the least amount of food will join the team that picked up the most food. This will continue for several rounds. In between rounds, we plan to talk through genetics, mutations, and natural selection.



EXPLORING CIRCUITS IN BIOMEDICAL ENGINEERING I DISCOVERY I 10:00 AM - 1:00 PM

Department of Biomedical Engineering - BME Design

Our exhibit will showcase various handmade biological instruments such as an ECG, thermometer, and more. We will also have materials for participants to build their own simple circuits, which we will plug in and test so they aren't exposed to any live electricity.



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CANDY RAINBOW EXTRACTIONS AND EXPLOSIONS | DISCOVERY | 10:00 AM - 1:00PM

My PROCESS INC w/ Dr. Roderquita Moore

Water extraction of Skittles, Explosion of Food coloring and milk, Lava lamps w/ Vegetable oil and food coloring. We will hand out brochures for other programming happening in the community



WHICH MICROBE ARE YOU PERSONALITY QUIZ | WEI | 10:00 AM - 1:00PM

GLBRC

Explore the world of microbes and take a short personality quiz to find out which microbe you share the most characteristics with. Discover the most popular microbe among the day's visitors, and explore how microbes can help power our future.



EXPLORING THE DANE COUNTY TRASH LAB | 1390 UNIVERSITY AVENUE | 10:00 AM - 1:00PM

Dane County Department of Waste & Renewables

Learn about all the science and engineering involved in managing our waste with the Trash Lab! The Dane County Trash Lab features more than 10 playful interactive stations, engaging stories, games, a wealth of data, along with compelling photography and video footage to inspire its visitors to think about their relationship with waste. The Trash Lab will help community members of all ages better understand the implications of the waste they produce, how landfills work, and new opportunities for more sustainable solutions.



PIN THE ROOT ON THE PLANT | WEI | 10:00 AM - 1:00PM

Wisconsin Energy Institute

Play a game to match root systems with plants used to make biofuels, observe roots through a microscope, and measure your height against a 14' life-sized big bluestem root system.



PEDAL POWER | WEI | 10:00 AM - 1:00PM

Wisconsin Energy Institute

Hop on a stationary bike to experience how much "human power" it requires to produce electricity for a variety of different appliances including various lightbulbs and fans.



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FERMENTATION IN A BAG I WEI I 10:00 AM - 1:00PM

Wisconsin Energy Institute

Conduct an experiment to discover which food yeast likes best and learn how plants and microbes are helping us transition to cleaner, healthier fuels.



ALBEDO EXPLORATION I WEI I 10:00 AM - 1:00PM

Wisconsin Energy Institute

Make a hypothesis and conduct an experiment to discover the connection between land use, temperature, and albedo.



PIPE CLEANER POLYMERS I WEI I 10:00 AM - 1:00PM

Wisconsin Energy Institute

Explore and model plastic's molecular structures, biodegradability, through a series of hands-on challenges.



PLANTS VERSUS PETROLEUM I WEI I 10:00 AM - 1:00PM

Wisconsin Energy Institute

Play a memory game to match everyday items normally made from petroleum with a plant they can be made from instead.



GRASS TO GAS I WEI I 10:00 AM - 1:00PM

Wisconsin Energy Institute

Learn all about the ongoing science of the Great Lakes Bioenergy Research Center. How does a poplar tree become jet fuel and who is involved along the way?



THE INVISIBLE UNDERGROUND I WEI I 10:00 AM - 1:00PM

Wisconsin Energy Institute

What is the rhizosphere, and why is it the secret to every plant's success? Join us to find out in this interactive modeling activity! Together we'll learn about the organisms living in the rhizosphere and create a model of their underground habitat.



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WIND TURBINE DESIGN CHALLENGE | WEI | 10:00 AM - 1:00PM

Wisconsin Energy Institute

Build and test wind turbine blades to see which design can lift the most washers in this hands-on engineering challenge.



BACTERIA FOR A BETTER DAY | WEI | 10:00 AM - 1:00PM

Wisconsin Energy Institute

Look under a microscope for changes in bacteria that help us transform waste into valuable products. Learn how bacteria is a partner in our scientific explorations to make the world a better place and meet several scientists who study bacteria every day!



POPUP PODCAST BOOTH | WEI | 10:00 AM - 1:00PM

Wisconsin Energy Institute

Meet Wisconsin Energy Institute Podcast Host and have a chance to experience what it's like to be on the set of the Propelling Women in Power Podcast!



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NAME THAT ADAPTATION - CRANES AND WETLANDS | ARBORETUM VISITOR CENTER | 1:30 - 3:30 PM

International Crane Foundation

ICF's exploration station will explore the many adaptations cranes have for their wetland habitats through the use of animal artifacts which include a skull, feather, leg, egg, and plush chick. We will also discuss how to identify our two Wisconsin crane species. We will provide handouts such as stickers, origami crane tutorials, and a crane puppet tutorial. Finally, we will prepare a crane-themed nature bingo game for kids to use while they walk around and explore the arboretum.



REPTILES: REVERED OR REVEILED? | ARBORETUM VISITOR CENTER | 1:30 PM - 3:30 PM

Madison Area Herpetological Society

Come visit the Madison Area Herpetological Society table to see and learn about several misunderstood reptiles and amphibians! Learn more about these amazing animals, where they come from and how they live in the wild, plus lots more!



OVER-THE-COUNTER MEDICATION SAFETY / SELF-CARE POSTERBOARD PRESENTATION | RENNEBOHM HALL | 12:00 PM - 3:00PM

Wisconsin Society of Pharmacy Students (WSPS)

At this event, Jess and Gabriel will be presenting the Over-The-Counter Medication Safety Poster board with patient friendly information. We will also have some handouts, interactive activities and sweet treats.



WISCONSIN SOCIETY OF PHARMACY STUDENTS: OPERATION IMMUNIZATION | RENNEBOHM HALL | 12:00 PM - 3:00PM

UW Madison School of Pharmacy

Operation Immunization is focused on educating the community about vaccines, providing opportunities for the community to receive vaccines and promoting the knowledge of accessibility of the profession of pharmacy.



ORGAN DEMONSTRATION | HSLC | 12:00 PM - 3:00 PM

Doctors Ought to Care

Station will have multiple organs with trays and gloves for individuals to feel and hold the organs.



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CITIZEN SCIENCE, ARBORETUM ECOSYSTEMS, AND YOU | ARBORETUM VISITOR CENTER | 1:30 PM - 3:30 PM

UW Madison Arboretum

Join a naturalist on a walk through the ecosystems and gardens of the UW-Madison Arboretum from 1-2 pm. Learn about Arboretum citizen science projects at our exploration stations from 1:30-3:30 pm. Monarchs, hummingbirds, water, wildlife, and more. Practice your identification skills, explore the organisms we monitor, and discover science at work in the outdoors.



TEDDY BEAR CLINIC | HSLC | 12:00 PM - 3:00PM

Child Life-American Family Childrens hospital

We will have children explore medical equipment and give their "patients" a full checkup.



HOW DO GERMS SPREAD? | HSLC | 12:00 PM - 3:00 PM

Catalysts for Science Policy (CaSP)

An epidemiology events tailored primarily for younger students that illustrates how diseases can spread from one person to another using "Glo Germ" a glow in the dark gel that simulates the presence of germs on hands. Students will then "high five" each other for 60 seconds and using a blacklight, we will see how the high fiving progressed spread of the gel. Then, we will introduce a "safety" policy, such as washing hands before highfiving to see how that affects spread of disease. Then, we discuss how government institutions such as the CDC use these health and safety polices to protect us.



OPERATION DIABETES EDUCATION ABOUT DIABETES AND METHODS TO PREVENT IT | RENNEBOHM HALL | 12:00 PM - 3:00 PM

Wisconsin Society of Pharmacy Students (WSPS)

We will have an activity for children to participate in learning the importance of nutrition. The games tend to be involved around teaching children the sugar content in food. We also have diabetes risk assessments for adults to take to see their risk of developing type 2 diabetes.



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EXPLORE THE LAKESHORE NATURE PRESERVE AT PICNIC POINT | PICNIC POINT | 1:00 PM - 2:30 PM

Friends of the Lakeshore Nature Preserve

At the **Rock Wall** at the entrance to Picnic Point, DNR hydrogeologist Philip Fauble and Science Olympiad coach Scot Moss will introduce visitors to the origins and kinds of rocks in the stone wall. At the **Tree Station**, Friends Board members Matt Chotlos, botanist Josh Sulman and Friends President Will Vuyk will help visitors identify leafless trees and calculate tree age. On the nearby hillside, gifted naturalists Cole Roecker and Chuck Keleny will host a **Birding Station**. They will provide strategies for identifying birds, and binoculars and a spotting scope for guests to look into the spring sky and across the lake. At Fire Circle #2, archaeologist Amy Rosebrough will talk about the **Effigy Mounds** and the native people who created the earthen mounds on Picnic Point and nearby areas.



SPACE PLANTS FOR ASTRONAUT HEALTH | HSLC | 12:00 PM - 3:00 PM

Department of Botany

Imagine you are an astronaut on a spacecraft traveling to Mars. For lunch, you add some hot water to pre-packaged food to prepare a meal, but wouldn't it be great to have a fresh salad of crunchy lettuce, spicy peppers, and tasty radishes? All three of these crops have been grown on the International Space Station, however, agriculture in space is very different than on Earth. Discover how gardening in space is possible and can ultimately help nourish astronauts during a long mission to the Moon or even Mars.



DIVING INTO WISCONSIN SHIPWRECKS! | ARBORETUM VISITOR CENTER | 1:30 PM - 3:30 PM

Wisconsin Historical Society

The program will be a table with six small activities, each focusing on a different element of maritime archaeology or the maritime history of the Great Lakes. Artifacts Tell a Story: teaching about what an artifact is and why they are important to archaeologists. Participants receive a story about a shipwreck and then match which artifacts spread across a given shipwreck match the shipwreck. Dress the Diver: I will have some diving equipment available on hand for participants to explore. Parts of a ship. I'll have large mosaic images of actual shipwrecks sunk in Wisconsin waters off of Lake Michigan with nautical terms spread out across the wreck and it will be up to participants to match the parts of the ship. I will also have puzzles on hand for younger participants that show images of the common types of ships that plied the Great Lakes. I will also have a cartesian diver exhibit on hand that will demonstrate the concept of buoyancy and how it applies to scuba divers studying shipwrecks. Finally, I will also have a Density Sphere experiment that demonstrates water density and how it applies to scuba divers studying shipwrecks.



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ELECTRIC EARS AND HOW WE HEAR | HSLC | 12:00 PM - 3:00 PM

Binaural Hearing & Speech Lab (UW Waisman Center)

Learn how science and hearing go together, then listen to demos of hearing loss and electric hearing. This hands-on exhibit will demonstrate how the sense of hearing works; from the development of cells that form the inner ear to the electrical impulses that the brain "hears."



XERCES SOCIETY TABLE EXHIBIT | ARBORETUM VISITOR CENTER | 1:30 PM - 3:30 PM

Arboretum

There is a table with interactive elements to learn about pollinators. There are masks children can color, matching games, books to read, and other children's activities.



ASK US ANYTHING (HEALTH SCIENCES INFORMATION) | HSLC | 12:00 PM - 3:00 PM

Ebling Library for the Health Sciences

Health Sciences Resources like PubMed and Consumer Health information along with interactive skeleton display and other kid centered coloring pages. Public Health information from the National Library of Medicine and other government entities.



THE DOSE MAKES THE POISON | HSLC | 12:00 PM - 3:00 PM

Molecular & Environmental Toxicology Graduate Program

Have you heard that everything is okay in moderation? Do you think that's true? Come learn if you're right. Everyone's welcome to enjoy family friendly activities and to learn more about toxicology. We're focusing on the importance of dilution and the ways toxicologists think about dosage.



UNDERWATER MEDITATION IN VIRTUAL REALITY | HSLC | 12:00 PM - 3:00 PM

The BRAVE Research Center, Department of Psychiatry

Learn about how deep breathing can help regulate big feelings by exploring an underwater environment on an Oculus headset! We will have two headsets for use to play a VR-video game (DEEP), where you use deep breaths to control your character's movement. Additionally, we will have study materials and take-home swag for our two neuroscience studies, which are currently recruiting 10-16 year olds and a caregiver.



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BUILD-A-PLANT | HSLC | 12:00 PM - 3:00 PM

Plant Cellular and Molecular Biology

Our Exploration Station will be comprised of 8 sub-stations, representing different labs within the Plant Cellular and Molecular Biology super group. Participants can explore, with each lab, different parts of a plant through various activities ranging from art using plant pigments to germinating root growth on transparent media. Upon completing each activity, they will receive a sticker! The unique stickers will allow them to fill in a plant that they will build as they explore.



CHEMISTRY WITH WATER | HSLC | 12:00 PM- 3:00 PM

UW Madison Chemistry Department, GSFLC Outreach Committee

"We will do at least the following hands on activities, perhaps more:

1. We will investigate what happens when you take water and put just a little bit of soap in it. What happens to things floating in the water? Do they move? Dissolve? Nothing? We will find out!

2. We will investigate slime and how to make it!

We might potentially do the following demonstration:

3. What happens if you take water and remove all air from its environment? Does it freeze or evaporate?"



HEALING LABS | HSLC | 12:00 PM - 3:00 PM

MMSD & UW CCHE

Informational table with Who Am I? activity board and video projection on creative practices to foster resilience and empower individuals thru self-discovery



HOW WE PERCEIVE COLOR | HSLC | 12:00 PM - 3:00 PM

McPherson Eye Research Institute

This Exploration Station demonstrates how people see and perceive colors differently. Color blindness is explored through activities and simulations. Our perception of color also depends on its surroundings and context. Visual illusions and examples of everyday objects show how different colors can look alike or identical colors can look different.



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DIFFERENT WAYS OF SEEING I HSLC I 12:00 PM - 3:00 PM

McPherson Eye Research Institute

This exploration station utilizes specially prepared goggles that participants wear to simulate visual impairments and experience some of the difficulties faced by the visually impaired on a daily basis. Participants try reading, writing, telling time, looking at eye chart, catching a ball while wearing the simulation goggles, and try reading in Braille.



CAN YOU BELIEVE YOUR EYES? I HSLC I 12:00 PM - 3:00 PM

McPherson Eye Research Institute

This exploration station employs virtual and physical demonstrations of optical, physiological and cognitive illusions to help visitors learn about visual perception and the brain.



OOEY GOOEY BLOOD I SIGNE SKOTT COOPER HALL I 12:00 PM - 3:00 PM

School of Nursing

Blood is needed for our bodies to function. Participants will learn about the components of blood while making fake blood of their own!



BLOW YOUR STRESS AWAY! I SIGNE SKOTT COOPER HALL I 12:00 PM - 3:00 PM

School of Nursing

Come learn about stress in your body! What does stress do? Is stress good or bad for us? How can we manage our stress? Learn helpful tips and tricks that we can all use to keep our bodies healthy and blow stress away



SEEING NEAR AND FAR I HSLC I 12:00 PM - 3:00 PM

McPherson Eye Research Institute

When we look at a scene, we can easily see which objects are closer and which are farther away. This station examines some of the visual cues that our eyes and brain use to determine how objects are arranged in space.



THE TICK APP TABLING I ARBORETUM VISITOR CENTER I 1:30 PM - 3:30 PM

The Tick App

Stop by to learn all about ticks and how to prevent tick bites. Look at tick specimens up close and search mannequins for hidden ticks on clothing.



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EXPLORING VACCINE CONFIDENCE | HSLC | 12:00 PM - 3:00 PM

CRoME Lab, Social and Administrative Sciences Division, UW-School of Pharmacy

This interactive booth will feature CRoME Lab members guiding people through vaccine information through the lens of Vaccine Confidence. There will be games and prizes. The table will also feature information about the CRoME Lab's work.



EXPLORING VACCINE CONFIDENCE | RENNEBOHM HALL | 12:00 PM - 3:00 PM

CRoME Lab, Social and Administrative Sciences Division, UW-School of Pharmacy

This interactive booth will feature CRoME Lab members guiding people through vaccine information through the lens of Vaccine Confidence. There will be games and prizes. The table will also feature information about the CRoME Lab's work.



COMPOUNDING CAPSULES AND SUSPENSIONS | RENNEBOHM HALL | 12:00 PM - 3:00 PM

School of Pharmacy

Will be held in 2312 of Rennebohm Hall. Have an opportunity to prepare a medication in a dosage form easily administered to all ages and is pleasant to taste. Guests must register at the Information table located by the front doors of Rennebohm Hall. This lab will run every 20 minutes!



HUMAN BRAIN EXPLORATION | HSLC | 12:00 PM - 3:00 PM

Neuroscience Training Program

We will show participants a real human brain sample and explain the basic brain anatomy. We will also have the participants to experience a mirror box which can help them learn about muscle memory.



MEDICAL PHYSICS: PUTTING THE "RAD" INTO RADIATION | HSLC | 12:00 PM - 3:00 PM

Medical Physics Department

Our station will explore some of the ways that we use physics to image the human body. Guests will use a portable ultrasound system to see if they can identify various food items in an opaque gelatin mold, use a Geiger counter to detect radioactive objects, and try to identify anatomy in radiographic (X-ray) films.



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KNOW YOUR BRAIN I HSLC I 12:00 PM - 3:00 PM

The Waisman Center

The Child Emotion Lab invites you to join us in learning more about the brain by building one with clay.



OPERATION HEART I RENNEBOHM HALL I 12:00 PM - 3:00 PM

Wisconsin Society of Pharmacy Students - Operation Heart

Operation Heart will have a booth with educational materials about heart health. There will be an activity that can be completed to determine which daily activities are "good for your heart". I also plan on bringing heart-healthy snacks!



ADVENTURES IN NANOSCIENCE I ARBORETUM VISITOR CENTER I 1:30 PM - 3:30PM

UW Chemistry

Join us for fun hands-on demonstrations of nanoscience hosted by students from the NSF Center for Sustainable Nanotechnology. Experience the nanoscale without using a special microscope!

Our exploration station will include different activities that demonstrate nanoscience and nanotechnology in ways that people of all ages can understand. We will have two different activities for participants to enjoy:

1. Exploring Surface Area with Magnets
2. Visualizing Temperature Changes with Liquid Crystals



HOW YOU AND YOUR BRAIN MOVE I ARBORETUM VISITOR CENTER I 1:30 PM - 3:30PM

Department of Pediatrics

At this exploration station, we will dive into the intricacies of how the brain controls movement in our bodies. With the aid of portable electromyography (EMG) machine, we will attach small, sticker-like sensors to the arm to 'read' muscle movements. In combination with our dynamometer we will showcase how muscle activity changes when contracting and relaxing muscles. In addition to this, we will also be showcasing one of our lab's neuromodulation devices, the transcranial direct current stimulation (tDCS) device, complete with headgear and other essential supplies involved in our studies. This cutting-edge device will be set up on a foam head, allowing spectators to visualize and gain a deeper understanding of how the device operates. This device is used in our laboratory to improve movement function in children with cerebral palsy. However, its potential benefits extend far beyond this, with potential applications in the treatment of epilepsy, chronic pain, depression, and more. So come and join us at this exploration station to learn more about the fascinating world of neuromodulation and the incredible technologies that are shaping our understanding of the brain and how it controls movement.



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INGERSOLL PHYSICS MUSEUM OPEN HOUSE | 2130 CHAMBERLIN HALL | 10:00 AM - 3:00 PM

Physics Department

Come visit our interactive, kid-friendly, physics museum in Chamberlin Hall on the UW-Madison campus. Enjoy a hands-on experience with physics exhibits covering topics from mechanics to modern physics. Tour guides will be in the museum during open house hours to answer questions and give tutorials.



PESTLES, PILLS, AND PANACEAS: EXPLORING PHARMACY HISTORY | 1404, 1409 RENNEBOHM HALL | 12:00 PM - 3:00PM

School of Pharmacy and the American Institute of the History of Pharmacy

Join the School of Pharmacy archivist and the American Institute of the History of Pharmacy (AIHP) for a look at the weird, wacky history of pharmacies and pharmaceuticals! Peruse selections from the historical collections of the Institute to learn about everything from soda fountains to Victorian quackery to the real life "Valley of the Dolls" of midcentury pharmaceuticals. Staff members will be on hand to answer questions and give tours of the library and archives. Please note that the materials include imagery and subjects that may not be suitable for young children.



OPERATION MEDDROP | RENNEBOHM HALL | 12:00 PM - 3:00 PM

Wisconsin Society of Pharmacy Students (WSPS): Operation MedDrop

On behalf of WSPS, Operation MedDrop is focused on educating parents and children about how to properly dispose and store medications at home. We have poster board with this information; additionally, we have a fun game for kids where they are able to guess if something is a medication or candy. This teaches children about how dangerous medications can be and how they always need to ask their parents before eating something. It is both an informative yet fun activity for all ages!



DNA PIPETTING AND DNA BRACELETS | HSLC | 12:00 PM - 3:00 PM

UW All of Us

Learn how to pipet DNA like a real scientist, make a DNA bracelet from eppie tubes



CHAZEN MUSEUM | CHAZEN ART MUSEUM | 11:00 AM - 5:00PM

Chazen Museum of Art

Come explore art from around the world here at the University of Wisconsin-Madison.



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HAND MADE IN AMERICA: CONTEMPORARY CUSTOM FOOTWEAR I LYNN MECKLENBURG DESIGN GALLERY, NANCY NICHOLAS HALL I 12:00 PM - 4:00 PM

Mecklenburg Textile Gallery

Curated by shoemaker and artist Amara Hark-Weber, Hand Made in America: Contemporary Custom Footwear features 11 accomplished shoe and boot makers working across the United States today. These makers build upon tradition in the creation of modern bespoke footwear. In conversation with historic shoes from the Helen Louise Allen Textile Collection, the work featured ranges from sculptural to practical, from traditional to conceptual. Their work highlights the wide range of styles, techniques, and approaches in current practice. This exhibit celebrates a small world of incredibly skilled craftspeople, who labor in relative obscurity.

This exhibition features shoe and boot makers Daphne Board, Greg Carmack, Rachel Corry, Sarah Madeleine T. GUERIN, Paul Krause, Lee Miller, Jesse Moore, Marcell Mrsan, Lisa Sorrell, Francis Waplinger and Amara Hark-Weber.



OPERATION AIRWAYS: ASTHMA EDUCATION I RENNEBOHM HALL I 12:00 PM - 3:00PM

Operation Airways

We will be discussing asthma with children through some trivia games



MEET-UP WITH THE FISHMOBILE I LOT 60 BOAT LAUNCH I 12:00 PM - 4:00PM

Department of Natural Resources

The Wisconsin DNR's Mobile First Catch Center, or "Fishmobile", provides fishing gear that will be available to the public. People will be able to practice casting with our dry land casting game, learn how to tie various fishing knots, identify Wisconsin fish species, and if they have a Wisconsin fishing license, catch panfish in nearby Lake Mendota.



CANDY RAINBOW EXTRACTIONS AND EXPLOSIONS I HSLC I 12:00 PM - 3:00 PM

My PROCESS INC w/ Dr. Roderquita Moore

Water extraction of Skittles, Explosion of Food coloring and milk, Lava lamps w/ Vegetable oil and food coloring. We will hand out brochures for other programming happening in the community



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HOW DO HANDS WORK? | SIGNE SKOTT COOPER HALL | 12:00 PM - 3:00 PM

School of Nursing

Have you ever thought about how your hands work? Recreate your hand out of cardboard and explore how string, straws, and tape can work like bones, muscles, and tendons.



EXPLORING LIFE'S BIGGEST QUESTIONS | SIGNE SKOTT COOPER HALL | 12:00 PM - 3:00 PM

School of Nursing

Use nursing science to dive into some of life's biggest questions: What is spirituality? What makes your life meaningful? Draw and write to express yourself.



THE MYPLATE MAZE | SIGNE SKOTT COOPER HALL | 12:00 PM - 3:00 PM

School of Nursing

Take a walk through the MyPlate Maze and match the food to the food group. Learn about nutritious food and earn a medal!



ACTIVE BODIES, ACTIVE MINDS | SIGNE SKOTT COOPER HALL | 12:00 PM - 3:00 PM

School of Nursing

Discover activities you can do at home and their benefits for your body and mind.



IMPACT OF VISUAL IMPAIRMENT ON MEDICATION SAFETY | RENNEBOHM HALL | 12:00 PM - 3:00PM

SAS, School of Pharmacy

Patients of all abilities deserve to be able to use their medication safely! At this station, you can simulate different types of visual impairment using simulator goggles and learn about some of the ways that pharmacists support medication safety.



COW EYE DISSECTION | HSLC | 12:00 PM - 3:00 PM

McPherson Eye Research Institute

This exploration demonstrates a startling fact: our eyes have a hole in which we cannot see anything, yet we are normally unaware of the blindspot. The explanation of the blindspot is shown by dissecting a cow eye to see the different parts of the eyeball.



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