



2017 Field Trip Registration Guide

→ Register at: WiSciFest.org/teachers ←

Step 1:

Reserve tickets to explore the Discovery Expo from 9 a.m. to 11:30 a.m. or from 11:30 a.m. to 2 p.m.
 Discovery Building – 330 N. Orchard St., Madison, WI
 Discovery Expo, 9 a.m. – 2 p.m.

Dozens of interactive hands-on stations about biology, engineering and more are open-ended and mostly drop-in experiences. Explore at your own pace and let students of all grade levels spend as much time as they want at each station.

Examples of stations include Robot Zoo, Incredible Surface of Water, Solar and Wind Power, Plants in Space, Plasma Physics, Carnivorous Plants, 3D Printed Fossil Exploration, Groundwater Experience, Human Organs, Bacterial Evolution and more. Not all stations are offered each day.

Step 2:

You may indicate your interest in visiting other Wisconsin Science Festival sites on the UW–Madison campus. Below is a brief description of these interactive experiences. Tours and times are limited, so please indicate your preferences when you register and a staff member will contact you to customize your campus visit. The Wisconsin Science Festival will provide complimentary bus transportation to/from the Discovery Building for all sites marked with an asterisk.

Wisconsin Science Festival Tours – UW–Madison Campus Locations

UW–Madison Location	Description	Grades	Duration
Geology Museum* 1215 W. Dayton St.	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. Also on display at the Geology Museum are rocks and minerals that glow, a model of a Wisconsin cave, dinosaurs and meteorites. Our mineral, rock and fossil collections have the power to educate and inspire visitors of all ages. Come see for yourself! http://geoscience.wisc.edu/museum/	K-5	45 min

Wisconsin Science Festival Tours, cont'd

UW-Madison Location	Description	Grades	Duration
Limnology Laboratory* 680 N. Park St.	Explore the Limnology Lab with a guided tour by UW experts! Limnology is the study of inland waters, and the Limnology Lab is located on the most studied lake in the United States – Lake Mendota. Visit this working research station to learn about the southern lakes research and river ecology programs. https://limnology.wisc.edu/	K-8	45 min
WI Primate Center* 1220 Capital Ct.	Visit the Wisconsin National Primate Research Center's learning lobby. Meet a family of marmosets, try hands-on activities to learn how monkeys learn, and discover how Primate Center researchers and animal care technicians have advanced science, medicine and humane lab animal care. https://www.primate.wisc.edu/	K-12	45 min
Dairy Cattle Center* 1815 W. Linden Dr.	Take a guided tour through UW's Dairy Cattle Center and learn how the research that happens here helps to improve milk quality and production. Active research projects are ongoing to help understand many aspects of dairy farming including how feed affects milk production. Students will get an opportunity to reach into a cow's stomach to view what they eat, tour the updated milking facility and more! https://dysci.wisc.edu/about-us/tours/dairy-cattle-center/	K-12	45 min
D.C. Smith Greenhouse 465 Babcock Dr. (Friday only)	Explore the fascinating world of plants. Visitors can investigate the ways that plants respond to their environment and how scientists and growers control plant growth by manipulating the growing environment. Check out student projects and visit our indoor tropical conservatory. http://dcsmithgreenhouse.cals.wisc.edu/	K-12	45 min
Water Library* 1975 Willow Dr.	Wisconsin Sea Grant Library works to build marine-science literacy and engender stewardship for our inspiring Great Lakes. Students will learn about Wisconsin lakes and enjoy a hands-on activity! http://waterlibrary.aqua.wisc.edu/	K-5	30 min
Foldscope 330 N. Orchard St. 2nd Floor - Discovery Building	Calling origami scientists! Use your folding skills to build a powerful, portable and durable origami pocket microscope. In this workshop, you will learn how to fold and use the foldscope alongside foldscope club super-users from the UW-Madison campus. You will be able to take home your own foldscope to investigate the microworld around you thanks to generous support from Alliant Energy. This tour has a limit of 25 students. https://microcosmos.foldscope.com/	4-12	45 min
Small World Initiative 330 N. Orchard St. 4th Floor - Discovery Building	Discover how soil samples collected by Wisconsin high school students can connect to undergraduate research projects to investigate possible sources of antibiotics – often produced from bacteria! The experience will include a short introduction to the Small World Initiative, which seeks to find new antibiotics through crowdsourced soil collection, bacteriology, genetic and chemical analysis. This tour has a limit of 25 students. http://www.smallworldinitiative.org/	6-12	45 min

Other UW–Madison Campus Self-Guided Experiences Available:

Please note the experiences below are self-guided; preregistration is not required to visit these locations. These facilities are within walking distance of the Discovery Building; therefore, complimentary transportation will not be provided.

UW–Madison Location	Description	Grades	Hours	Distance from Discovery
Babcock Hall Dairy Store 1605 Linden Dr.	Purchase a scoop of the famous Babcock ice cream at the store and learn about UW–Madison’s science and history of creating amazing ice cream and award-winning cheese. The best viewing times to see the Babcock Dairy Plant in action are weekdays from 8 to 11 a.m. https://babcockhalldairystore.wisc.edu/	K-12	7:30a-5:30p	0.4 mi
L.R. Ingersoll Physics Museum 1150 University Ave. Chamberlin Hall 2nd Floor	More than 65 exhibits give participants hands-on experience with physical concepts ranging from mechanics to modern physics in a demonstrational, kid-friendly environment. In conjunction with the museum, historical instruments and photos of Nobel Prize winners in physics from 1901 to 1993 are on display along the corridors. https://www.physics.wisc.edu/ingersollmuseum	K-12	9a-4p	0.1 mi
D.C. Smith Greenhouse 465 Babcock Dr. (Thursday only)	Explore the fascinating world of plants. Visitors can investigate the ways that plants respond to their environment and how scientists and growers control plant growth by manipulating the growing environment. Check out student projects and visit our indoor tropical conservatory. http://dcsmithgreenhouse.cals.wisc.edu/	K-12	9a-4:30p	0.3 mi
Union South 1308 W. Dayton St.	“Art En Route” Exhibition Discover original artwork from the Art En Route public art project, which pairs creative writers with visual artists to create uniquely commissioned works of art. https://union.wisc.edu/get-involved/wud/art/art-en-route/	K-12	9a-4p	0.1 mi
UW Flight Laboratory 1513 University Ave. Room 3014 (Friday only)	Visit the UW Flight Laboratory and get hands-on experience flying one of our flight simulators.	K-12	10a-2p	0.3 mi

OTHER HELPFUL TIPS

UPON ARRIVAL

- Event staff will greet you and give you your welcome packet along with a few brief tips for your day. After your greeting, please exit your bus promptly and clear the bus drop off area so we can continue the flow of traffic.
- If possible, please leave coats, backpacks and other personal belongings in your bus or vehicle.
- Restrooms in the building are located on the red wall near the elevators. Additional portable restrooms will be located outside on the west end of the building.

LUNCH

- Please note that lunch space onsite is very limited. Our DeLuca Forum conference room will be available from 11:30 a.m. to 1:30 p.m., but space will fill up quickly. There will also be limited outdoor patio seating at the east end of the building at Aldo's Café and Steenbock's on Orchard (weather permitting). Additionally, there are outdoor greenspaces nearby that are available.
- We are able to store lunches onsite while your group explores the festival.
- Please bring large box(es) or containers labeled with your school name to store individual lunches. Lunches can be dropped off on arrival near the bus drop off.
- It is best to bring your own lunches to the Wisconsin Science Festival. There are some food café options available nearby at Union South, but it is very busy during lunch time with college students.

DROP OFF/PICK UP/PARKING

- Students may be dropped off and picked up at 330 N. Orchard St., which is the main entrance to the Discovery Building. Buses may not park or wait for students on Orchard Street. They will be asked to circle around the block if the group is not ready to exit or board the bus immediately.
- No onsite or UW campus parking is available. Buses must find parking off campus.

MAKING THE MOST OF YOUR FIELD TRIP EXPERIENCE

- With several dozen exploration stations as part of the Discovery Expo, we recommend a two-hour time period to explore.
- If you plan on coming to campus for more than two hours, there are many other UW-Madison options to see and do during your field trip. Please indicate your interest in other campus sites when registering for the Discovery Expo and a staff member will help you plan your visit.
- When visiting the Discovery Expo, please have your students split into smaller groups and paired with chaperones. That way, groups can begin exploring the festival as soon as possible.
- Have teachers and chaperones share cell phone numbers in advance to aid in communicating with each other, since there will be a lot of participants in the building. Remember to ask for your bus driver's cell phone number as well.
- Agree on places/points to meet before you split up.

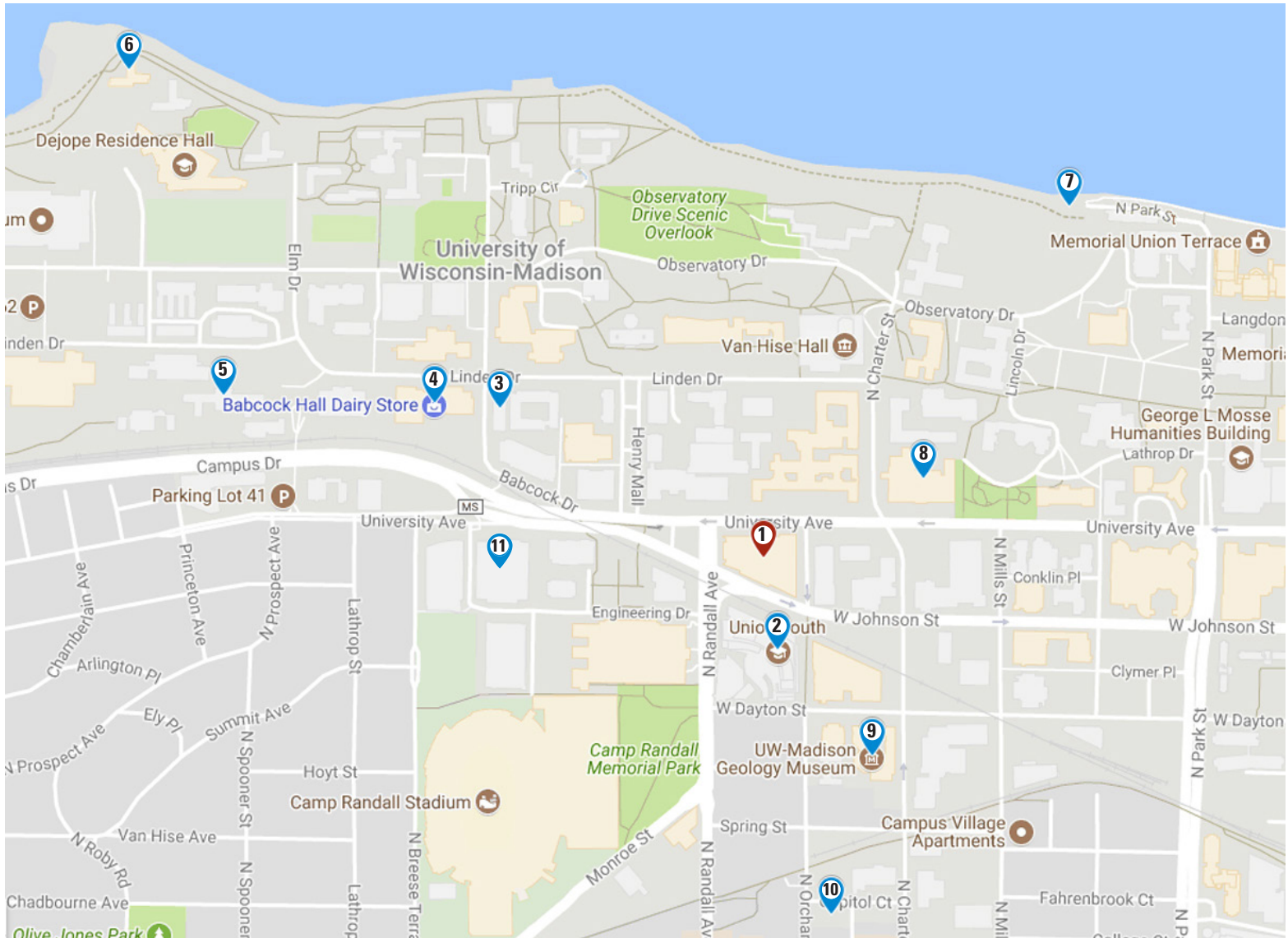
GENERAL TIPS

- Encourage your group members to wear comfortable shoes as you will be on your feet for most of the day walking between stations and buildings.
- Dress for the weather – early November can be mildly cold or snowing and most places to eat lunch are outside.
- Bring enough chaperones to maintain a 10 children: 1 adult ratio since activities are geared toward smaller groups and exploring at your own pace.
- If you have reserved tickets to another campus experience, please catch the complimentary transportation bus at least 30 minutes prior to your reserved tour time. This will give you ample time to board the bus and get to the tour destination on time.

The Wisconsin Science Festival is produced by



Map of UW–Madison Campus Science Festival Field Trip Locations

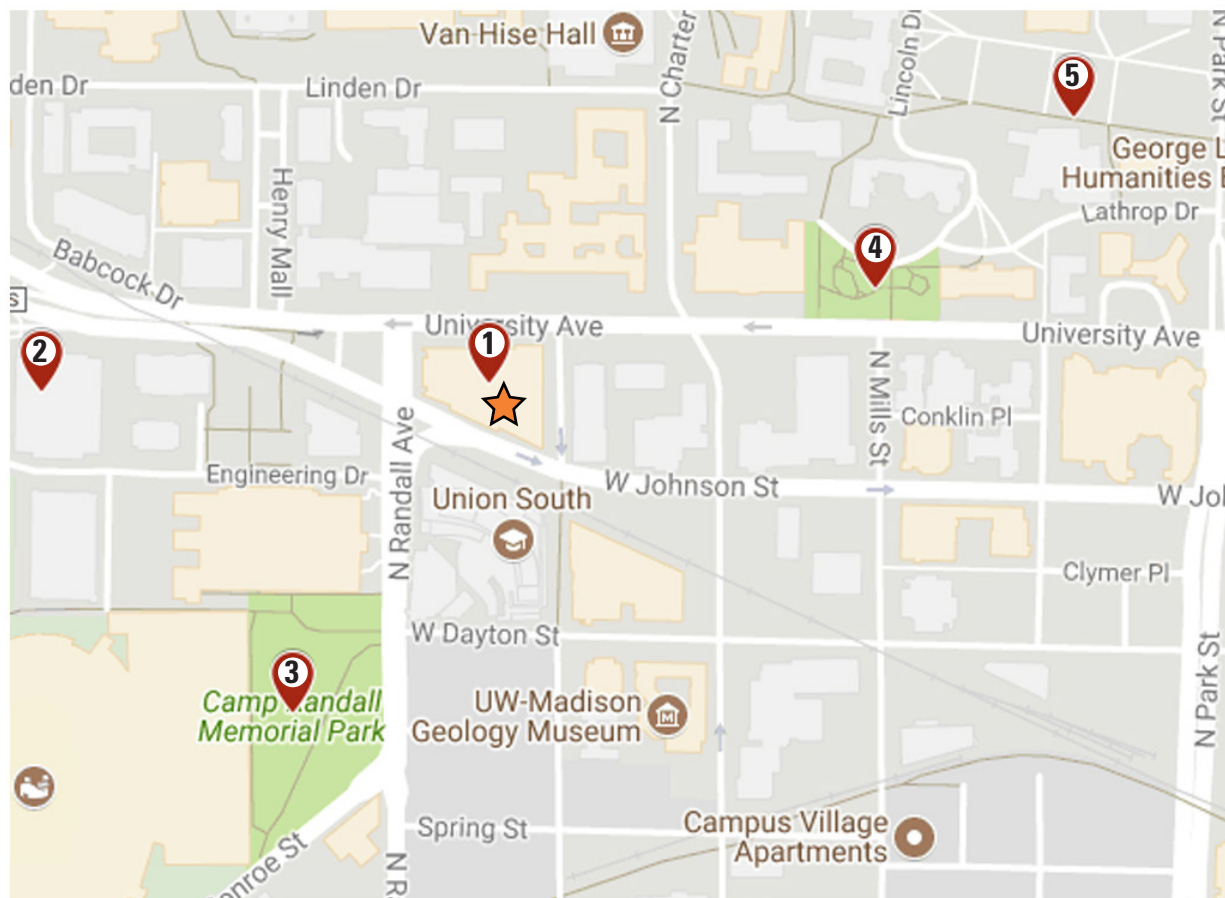


1. Discovery Building, 330 N. Orchard St.
2. Union South, 1308 W. Dayton St.
3. D.C. Smith Greenhouse, 465 Babcock Dr.
4. Babcock Hall Dairy Store, 1605 Linden Dr.
5. Dairy Cattle Center, 1815 W. Linden Dr.*
6. Wisconsin Water Library, 1975 Willow Dr.* (2nd floor)
7. Limnology Laboratory, 680 N. Park St.*
8. L.R. Ingersoll Physics Museum, 1150 University Ave. (2nd floor)
9. Geology Museum, 1215 W. Dayton St.*
10. WI Primate Center, 1220 Capital Ct.*
11. UW Flight Laboratory, 1513 University Ave. (Room 3014)

* Depicts locations with complimentary bus transportation from Discovery/Union South

Wisconsin Science Festival: Lunch Locations

There are many green spaces located within walking distance of the Discovery Building for your group to eat lunch. A handful of them are pointed out below but there are other options. **Explore!** That's what the science festival is all about.



- 1. Discovery Building** – Limited space will be available in the DeLuca Forum conference room between 11:30 a.m. and 1:30 p.m.
★ You are here
- 2. Engineering Mall** – It's just a short walk down the street and there is plenty of space for large groups
- 3. Camp Randall Memorial Park** – Right next door to the infamous Camp Randall Stadium and located one block from Discovery
- 4. Botany Gardens** – This location is best for smaller groups and will certainly provide nice scenery
- 5. Bascom Mall** – It's a little bit further away, but it's a nostalgic location for many UW-Madison students and alumni