



food+farm
EXPLORATION CENTER

2023-2024

Field Trip Guide



INTRODUCTION

WELCOME TO THE FOOD + FARM EXPLORATION CENTER!

Our mission is to educate current and future generations about agricultural innovation and sustainability through experiential learning. We strive to create a community rich in agricultural literacy and innovation through programming that will excite, engage and promote agriculture.

We educate people of all ages about the importance of farming and its connection to the food we eat. We recognize that:

- there is a deep connection between food and farming.
- everyone is connected to agriculture.
- agriculturalists are innovative professionals.
- agriculture is a highly technical industry that requires skilled workers in a variety of areas.
- agriculturalists work together to conserve natural resources through sustainable practices.
- learners can grow and connect with agriculture through immersive educational experiences.



FOOD + FARM EXPLORATION CENTER

HOURS OF OPERATION:

Monday: Closed

Tuesday, Wednesday and Friday: 9 am – 5 pm

Thursday: 9 am – 7 pm

Saturday: 9 am – 4 pm

Sunday: 10 am – 4 pm

*Subject to change, always check the website for up to date information.

FIELD TRIP PRICING:

- Exhibit Exploration field trip cost: \$5 per person for schools, childcare centers, and nonprofit youth groups of 10 or more. Teacher and bus driver are free of charge.
- Dig In experiences will incur an additional cost which can be found listed by the program description.

CHAPERONES:

We request that field trips for 5th grade and under have an adult to student ratio of 1:5 and field trips for 6th grade or over have a 1:10 ratio.

MAXIMUM CAPACITY:

For Exhibit Exploration field trips with Dig In experiences we can accommodate field trips of up to 100 students. If you have more than 100 students, please contact the exploration center education staff directly to discuss options. Alternately, we can host multiple groups in one day.

FIELD TRIP CONFIRMATIONS:

Teachers will work with a member of the exploration center education team to develop their field trips. We make every effort to ensure that planning is done well ahead of the field trips, but we require teachers to communicate in a timely manner. If teachers have not contacted the exploration center education team within one week of their proposed date, the field trip will be cancelled. Trips can be rescheduled if dates are available.

FIELD TRIP OPTIONS

All Exhibit Exploration field trips are able to explore the center at their own pace, enjoying the Seedlings Gallery, Ag Stem Gallery, the Farm Tech Shed and programming that may be available in the MakerSpace. An optional scavenger hunt worksheet is available for students to complete. As an additional educational experience, teachers can add on up to two Dig-In experiences for an additional cost.



Dig In experiences are facilitated workshops that encourage learning through the use of materials and tools, props, demonstrations and group interaction. Dig In experiences are 45-60 minute in length. Participants can select from a variety of options to meet their learning objectives. Dig In experiences are held in conjunction with exhibit exploration and require an additional cost. A description of the Dig In experiences we offer can be found on page 5-6.

SUGGESTED TIMES FOR FIELD TRIP EXPERIENCES

- Exhibit Exploration field trip only: 1 hour
- Exhibit Exploration with one Dig In experience: 2 hours
- Exhibit Exploration with two Dig In experiences: 3.5 hours (A thirty minute lunch break is included with these trips.)

EXAMPLE FIELD TRIP SCHEDULES

Exhibit Exploration with one Dig In experience:

Time	Group A	Group B
12:30-12:45 pm	Welcome and Expectations	
12:50-1:40 pm	Cookie Mining	Exhibit Exploration
1:45-2:30 pm	Exhibit Exploration	Cookie Mining

Exhibit Exploration with two Dig In experiences:

Time	Group A	Group B	Group C
9:30-9:45 am	Welcome and Expectations		
9:50-10:40 am	Cookie Mining	Exhibits	Science of Scents
10:45-11:30 am	Science of Scents	Cookie Mining	Exhibits
11:35-12:15 pm	Exhibits	Science of Scents	Cookie Mining
12:15-1:00 pm	Lunch and Wrap Up		



DIG IN OPTIONS

- **Pollinators: \$2** Pollinators are an important part of our ecosystem; from helping to grow the food you eat to cleaning the air you breathe. Join us as we dive into the world of pollinators. Discover their important role in agriculture and what makes them fly. In this Dig In, you will create your own pollinator and test it in flight.
 - Grades: K-2
- **Mining for Minerals: \$2** Mining has a long-standing history in Wisconsin. Early miners came to the state to mine for lead and iron leading to our nickname “the Badger State”. Dig in to Wisconsin soils with this engaging cookie mining activity!
 - Grades: K-2, 3-5, 6-8
- **Paper Circuits: \$3** Explore the world of electronics with paper circuits. Participants learn about circuits with simple materials- copper tape, a coin cell battery and LED. Once learners understand the basics of electricity they will design a light-up greeting card to take home.
 - Grades: K-2, 3-5, 6-8, 9-12
- **Bristle Bots: \$3** Do you think you could build a robot on the head of a toothbrush? Bristlebots are simple, tiny robots that buzz around like bugs. They are easy to build and fun to play with. Learn the basics of electricity with this make and take project.
 - Grades: 3-5
- **The Science of Senses: \$3** How we perceive flavors is rooted in survival. Humans are born liking sweet tastes because sugar provides energy, a necessity for survival. Our senses have an impact on consumer preferences and the development of new food and beverage products. Explore the science of senses in this sensory stimulating lab!
 - Grades: K-2, 3-5, 6-8
- **Scribble Bots: \$4** Combine art and science in this activity in which students explore how circuits and electricity work together while designing and creating their own “scribble bot” to take home.
 - Grades: 3-5



- **Jumping Robots: \$6** Learn how to build a simple robot that uses the energy stored in a stretched rubber band to jump. You will use the engineering design process to try to make your robot jump higher and farther. How far can you make it jump?
 - Grades: 9-12
- **Coding and Robots: \$3** This is not your average screen time! Explore robotics and coding with this inquiry-based learning experience. Learners will complete a team challenge through programming, discovery, and iteration. **This experience is limited to a maximum of 10 learners.**
 - Grades: 3-5, 6-8, 9-12
- **Dirt is a Dirty Word: \$3** Investigate soils and the different properties that make it suitable for growth. Analyze moisture, temperature, pH, compaction and permeability. (This program is seasonal.)
 - Grades: 8, 9-12

BEFORE FIELD TRIP LEARNING OPPORTUNITIES

In addition to field trips, we have additional learning opportunities for teachers and students that can be used to prime students before a field trip or to reinforce learning after a field trip. Check out our Education Outreach programs on the website at: explorefoodandfarm.org/educationprogram.

- School Visits
- Standards-based lesson plans
- Literacy Kits
- STEM Kits
- Breakout Boxes
- Ag Readers



For more information on field trips or education outreach please contact the Food + Farm Exploration Center at 715-303-3276 or education@fftf.us.