



4-H Exploration Day

For Youth in Grades 3-12

Saturday, April 5, 2025

Blackhawk Technical College (BTC), Monroe Campus (210 4th Ave, Monroe)



BLACKHAWK
TECHNICAL COLLEGE

UW-MADISON EXTENSION
GREEN COUNTY

4-H Exploration Day will actively engage youth, 3rd grade and older, in hands-on learning and exploring a variety of Science, Technology, Engineering, and Art interests. This FREE event, open to the public, is made possible thanks to a partnership with Blackhawk Technical College and the generous support of the Green County 4-H Adult Leaders Association, with a donation from Colony Brands. Come explore what 4-H and BTC have to offer!

Schedule

8:40 – 8:55am Check-in
9:00 – 9:50am Session 1
10:00 – 10:50am Session 2
11:00 – 11:50am Session 3



Registration & Deadline

Register by **Monday, March 24, 2025** at: <https://go.wisc.edu/tm293b>

Please note that session spots are limited; please identify 1st, 2nd, & 3rd choice.

Sessions are 50 minutes long. Most sessions will be offered only one time, but some will be offered twice.

If you want to come for just 1 or 2 sessions, and not all 3, please indicate this on your registration form.

Day of event: parents/guardians must sign release forms. Adults may attend sessions with youth, but not required.

Session 1	Session 2	Session 3
Canvas Button Art	Art: Hand Building with Clay	Art: Hand Building with Clay
Art: Sensational Stitching	Art: Sensational Stitching	Photography Composition 101
Electromagnetics & Relay Circuits	Electromagnetics & Relay Circuits	Cork Craft
Model Building	Crafting a Catapult	Baking Soda Bottle Rockets
YQCA: Youth for the Quality Care of Animals (8:45am start; requires fee)	Animal Science: Practice Tools for Health Management of Livestock	Rabbit Showmanship
Agriculture Sprayer Simulator	Precision Farm Equipment	Drone Use in Agriculture
Tractor Maintenance & Safety	What's the Buzz about Bees?	Money as You Grow
	Foods Safety Laboratory	Introduction to Microbiology

Session Descriptions (alphabetical):

Agriculture Sprayer Simulator (Session 1)

What are the tools of an agronomist? Do you like operating farm equipment? Come run a sprayer simulator and learn how to identify weeds. *Limit of 8 participants. Presented by: Dustin Williams, BTC Instructor*

Animal Science: Practice Tools for Health Management of Livestock (Session 2)

Learn proper injection techniques and simple obstetrical manipulation for large animals, including sheep and goats. *Limit of 10 participants. Presented by: Lisa Holcomb, DVM*

Art: Hand Building with Clay (Session 2 or 3)

Learn how to prepare real clay for sculpting, create slabs and shapes and how to attach to build more elaborate forms. Learn why clay behaves as it does and how to work with it. *Limit of 8 participants. Presented by: Sam Frei*

Baking Soda Bottle Rockets (Session 3)

Learn how to build a baking soda bottle rocket. Great fun for those hot summer days ahead. *Limit of 10 participants. Presented by: Marc & Chris Smith*

Canvas Button Art (Session 1)

Get creative! Participants will use buttons to design a unique canvas art piece. *Limit of 12 participants. Presented by: Desiree Bochman*

Cork Craft (Session 3)

Learn how to make a spring character or two out of bottle corks. Bring your imagination! *Limit of 8 participants. Presented by: Emily & Janet Kruse*

Crafting a Catapult (Session 2)

Create a catapult with popsicle sticks, then try to make it better. Marshmallow will be used for projectiles. *Limit of 8 participants. Presented by: Noah & Janet Kruse*

Drone Use in Agriculture (Session 3)

What are the tools of an agronomist? Learn about flying a drone and how it can be used to scout and spray crops. *Limit of 8 participants. Presented by: Dustin Williams, BTC Instructor*

Electromagnetic Attraction & Relay Circuits (Session 1 or 2)

Learn what electromagnetism is and how it can be used. Participants will use DC power supplies, relays, switches, and loads to build and operate relay control circuits. *Limit of 6 participants. Presented by: Steve Gellings*

Foods Safety Laboratory: Techniques and Tests (Session 2)

Learn some of the procedures and tests used in a Food Safety Lab. Explore why they are used and how they correlate to safety quality food. *Limit of 6 participants. Presented by: Daniel Harrigan, BTC Instructor*

Introduction to Microbiology (Session 3)

Students will discuss different types of microbes, find them under the microscope, and learn how to test for them. *Limit of 6 participants. Presented by: Daniel Harrigan, BTC Instructor*

Model Building (Session 1)

Learn about building scale models by using Sprue Cutters, sanding sticks, and glue to build a 1:87 model garage. No experience needed, but any level welcome! *Limit of 7 participants. Presented by: Jamison & Chris Smith*

Money as You Grow (Session 3)

Youth learn fun facts about money and how others spend, save, share, and borrow money. *Limit of 15 participants. Presented by: Bob Wiegel, Extension Human Development Educator*

Photography Composition 101 (Session 3)

Learn what makes a good quality photo, including simple background, rules of thirds and framing the subject. Practice identifying quality photos and putting these skills into practice. *Limit of 12 participants. Presented by: TBA*

Precision Farm Equipment (Session 2)

What are the tools of an agronomist? Learn about GPS guided precision farm equipment and autosteer tractors. *Limit of 8 participants. Presented by: Dustin Williams, BTC Instructor*

Rabbit Showmanship (Session 3)

Learn about what it takes to show a rabbit, including learning about terms, hand positions, manners, and proper technique when showing! *Limit of 15 participants. Presented by: Elena Boss, Joclyn Watson & Micki Andrews*

Sensational Stitching (Session 1 or 2)

Participants will learn how to do three simple hand embroidery stitches, and then apply them on burlap fabric to make a sampler bookmark. *Limit of 6 participants. Presented by: Micki Andrews*

Tractor Maintenance & Safety (Session 1)

Join other youth in the BTC shop to learn about the parts of a tractor, safety features, general farm safety rules, proper clothing to wear when operating a tractor, safety checks before operating a tractor, and how to communicate to others while operating a tractor. *Limit of 10 participants. Presented by: Lincoln Watson*

What's the Buzz About Bees? (Session 2)

Learn about beekeeping basics including honey bee biology, honey production, pollination, tools and equipment for beekeeping. *Limit of 30 participants. Presented by: Kim Kester, Extension Regional Ag Educator*

YQCA: Youth for the Quality Care of Animals (Session 1)

An annual training required of all youth exhibiting dairy, beef, swine, sheep, goats, poultry & rabbits. Session will start early, running **8:45-9:50am**. Must pay \$3, pre-register and complete pre-test all at: <https://yqcaprogram.org/>. *Limit of 50 participants. Presented by: Kim Kester, Extension Regional Ag Educator*