UW-MADISON EXTENSION
GREEN COUNTY

4-H Project Day

For 4-H Members in Grades 3 and up

Saturday, March 23, 2024
Blackhawk Technical College (BTC), Monroe Campus (210 4th Ave, Monroe)

The purpose of this day is to actively engage 4-H members in 3rd grade and older in expanding their project knowledge through hands-on learning. We want to equip youth with project knowledge and skills they can go home and apply, making their best projects better.

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 **Tuesday, March 12, 2024** at: https://bit.ly/24SpringPD
Please note that space for some sessions is limited.
All sessions are 50 minutes long. Some sessions will be offered only one time, some will be offered twice.
If you want to come for just 1 or 2 sessions, and not all 3, please indicate on your registration form.

Session 1	Session 2	Session 3
Foods: Kid's Cooking Class	Art: Hand Building with Clay	Art: Hand Building with Clay
Animal Science: Practice Tools for Health Management of Livestock	Pebble Art	Animal Science: Practice Tools for Health Management of Livestock
Robotics: Making Motion with Air Valves and Cylinders	Robotics: Making Motion with Air Valves and Cylinders	Exploring Your Environment: Creating a Food Web
Model Airplanes	Aerospace: Blasting Off with Model Rockets	Aerospace: Blasting Off with Model Rockets
Agriculture Sprayer Simulator	Drone Use in Agriculture	Precision Farm Equipment

Session Descriptions:

Foods: Kid's Cooking Class *(Session 1)*
The kids will learn to make an easy dish. They will learn tips and tricks that make cooking fun and easy. They will get to eat their creation at the end of class and take the recipe home to make again for their family.
Limit of 12 participants. Presented by: Laura Eyler

Animal Science: Practice Tools for Health Management of Livestock *(Session 1 or 3)*
Experience using a birthing simulator to learn how to birth a calf, and learn proper injection techniques for large animals, including sheep and goats.
Limit of 8 participants. Presented by: Lisa Holcomb, DVM

Robotics: Making Motion with Air Valves and Cylinders *(Session 1 or 2)*
Learn how compressed air, valves, and cylinders work together to create mechanical motion. Participants will build and operate several different pneumatic circuits using industrial components like those in robotic devices.
Limit of 4 participants. Presented by: Steve Gellings

Model Airplanes *(Session 1)*
Come learn how to assemble a model airplane. No experience needed, but any level welcome!
Limit of 6 participants. Presented by: Chris Smith

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

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Art: Hand Building with Clay *(Session 2 or 3)*
Learn how to prepare real clay for sculpting, create slabs and other shapes and how to attach to build more elaborate forms. We will also discuss concepts about why clay behaves as it does and how to work with it.
Limit of 8 participants. Presented by: Sam Frei

Pebble Art *(Session 2)*
Learn how to create compositions with pebbles and drawing. Combine your love for finding rocks and creating art.
Limit of 15 participants. Presented by: Serena & Ayden McCoy

Robotics: Making Motion with Air Valves and Cylinders *(Session 1 or 2)*
Learn how compressed air, valves, and cylinders work together to create mechanical motion. Participants will build and operate several different pneumatic circuits using industrial components like those in robotic devices.
Limit of 4 participants. Presented by: Steve Gellings

Aerospace: Blasting Off with Model Rockets *(Session 2 or 3)*
Come build a beginner level rocket. We will talk about the parts of the rocket, what glues to use when making them. This is a basic level course for those who have never built a rocket or flown one.
Limit of 5 participants per session. Presented by: Chris Smith

Drone Use in Agriculture *(Session 2)*
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

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Art: Hand Building with Clay *(Session 2 or 3)*
Learn how to prepare real clay for sculpting, create slabs and other shapes and how to attach to build more elaborate forms. We will also discuss concepts about why clay behaves as it does and how to work with it.
Limit of 8 participants. Presented by: Sam Frei

Animal Science: Practice Tools for Health Management of Livestock *(Session 1 or 3)*
Learn proper injection techniques and simple obstetrical manipulation for large animals, including sheep and goats.
Limit of 8 participants. Presented by: Lisa Holcomb, DVM

Exploring Your Environment: Creating a Food Web *(Session 3)*
Explore the meanings of environment and ecosystem. Examine the links between the different members of an ecosystem. In this hands-on project, discover what happens when components are removed from the ecosystem.
Limit of 12 participants. Presented by: Janet Kruse

Aerospace: Blasting Off with Model Rockets *(Session 2 or 3)*
Come build a beginner level rocket. We will talk about the parts of the rocket, what glues to use when making them. This is a basic level course for those who have never built a rocket or flown one.
Limit of 5 participants per session. Presented by: Chris Smith

Precision Farm Equipment *(Session 3)*
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