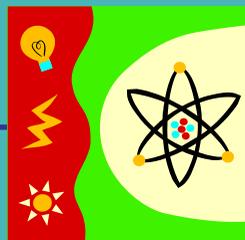




4-H is the Youth Development program of University of Wisconsin Extension (UWEX).

An EEO/AA employer, UWEX provides equal opportunities in employment and programming, including Title IX and American with Disabilities (ADA) requirements.

If you or your students need reasonable accommodations to participate in any UWEX programs, please call 262-741-4951 at least two weeks before your scheduled event.



**UW  
Extension**

Walworth County

100 West Walworth Street  
P.O. Box 1001  
Elkhorn, WI 53121

Phone: 262-741-4951

Fax: 262-741-4955

<http://walworth.uwex.edu>

Walworth County  
4-H Youth Development

4-H Science Labs



*Connecting  
Classrooms  
With the Clover*

2017

**UW  
Extension**  
Walworth County

Dear Educator:

The Walworth County 4-H Youth Development program is pleased to offer several fun, hands-on, science-based enrichment labs, intended to complement your existing classroom activities.

You can read about the opportunities in this brochure. Then, call 262-741-4959 or email [deborah.moser@ces.uwex.edu](mailto:deborah.moser@ces.uwex.edu) (unless otherwise noted) if you'd like to schedule. Please have two or three dates in mind when you call/email, and if multiple classrooms in your building are interested in the same program, please try to coordinate your schedules if it's feasible. Programs will be scheduled on a first call, first reserve basis.

Once your date(s) is/are confirmed by phone/email, complete the enclosed registration form and mail or fax it in. You will be billed for the registration fees at a later date. Please do not send money at this time.

Be aware that only a limited number of programs can be scheduled overall due to staff availability.

If you have questions, just ask!

Sincerely,

*Debbie Burkman*

Debbie Burkman  
4-H Youth Development Educator  
[deborah.moser@ces.uwex.edu](mailto:deborah.moser@ces.uwex.edu)  
UW-Extension Walworth County  
100 W. Walworth Street, POB 1001  
Elkhorn, WI 53121  
FAX: 262-741-4955

## Eggsploring Incubation

Grades K-12

### Program Dates:

April 18 - May 12 for chicks

April 18-May 19 for ducklings

Limit: 5 classrooms to hatch ducklings



Experience the miracle of life hands-on. During this 3-4 week program, you and your class will receive all of the supplies necessary to incubate, hatch, and care for baby birds. All you'll need to add is a little TLC and creativity. Sign up and you'll have access to fun lesson ideas, posters, and more. Automatic turners come with the incubators to make your job easier over the weekends. The Extension office arranges homes for your babies, and help is always just a phone call away.

Cost per classroom is \$20 for chicks and \$30 for ducklings.

If you plan to use your own incubator, be prepared to tell how many eggs it holds when you call to sign up.

Registration deadline is March 24 at 4:30 p.m. or when equipment is all spoken for—whichever comes first. Be aware that equipment is limited and registrations will be accepted on a first call, first reserve basis. Call 262-741-4959 to check-on equipment availability and sign-up **BEFORE** mailing in the registration form.

Additionally, please realize that hatches are NOT guaranteed.

## Ready, Set, Dough

Grades 1-5

Students will mix and knead from the perspective of scientists as they learn how ingredients are combined in the kitchen “laboratory” to create “experiments” they can take home and eat with their families! The role of each ingredient is discussed and teamwork is emphasized. Each student creates a full loaf of honey wheat bread they can take home and share with their family! Loaves are returned to your classroom the day after your program, baked and packaged for travel. Time required is 90-minutes.



Cost is \$2 per student.

Up to two classrooms can be accommodated per day — one before lunch and one right after! No Fridays, please, unless your classroom can bake its own bread at the school.

*This lab may be too long for some first grade classrooms. It does require students to stand for the majority of 90 minutes. Teacher discretion is advised.*



## Reduced to a Pulp

Grades 3-6

Trees are an instrumental part of human life—providing products and services that most take for granted. The average American consumes the equivalent of seven trees in paper, wood, and other products each year, amounting to 2,000,000,000 trees per year nationally! This 50-60minute lab, led by Extension educators will address the goods and services made possible by trees, the surprising rate of human tree consumption, and the ease and benefits of paper recycling. Then, students will work in pairs to construct their own recycling mills and recycle paper right in their classrooms. Each student will end up with their own piece of recycled paper to take home. Cost is \$15 per classroom.



## Fight BAC With Hand Washing

Grades 3-8

Germs are everywhere, and they can make us very sick! During this fast-paced, scientific, and sometimes gross program, your students will learn about some common viruses and bacteria; discover how germs are spread, observe germs collected at their local school, consider the results of hand-washing research, and see just what it takes to wash germs away. This interactive lab is facilitated by Extension educators and lasts 50-60 minutes. Cost per classroom is \$15.



## On the Technology Trail

Grades 4-8

Using basic GPS skills, students will track down clues to solve a puzzle during a geocaching challenge course. This program is taught by Extension educators and requires two 40-60 minute sessions. Session #1 introduces students to GPS, considers uses of GPS in the world today, and provides instruction for using simple handheld navigational receivers. Session #2 includes a quick review and the challenge course. All materials, including prizes, are provided. The overall cost is \$25 per class.



## The Honey Bee Challenge

Grades 3-5

For this program only, call Horticulture Educator, Chrissy Wen, to schedule: 262-741-4958.



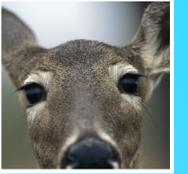
During this 50-60 minute lesson, students will consider the importance of bees and pollination and discover why bees are crucial for the food we eat. They'll work in teams to discover how honey bees work and forage for food, realize the significance of honey bees in agriculture, and consider ways they can help local bees thrive. The lesson will conclude with a glass of apple juice, so students can enjoy one of the many wonderful foods brought to us by bees! The class will be taught by Master Gardener Volunteers and UW-Extension staff. Cost per classroom is \$15.

## Wonders of Wildlife

Grades K-8

For this program only, call 4-H Natural Science Key Leader, Kathy Tober, to schedule: 262-642-5857.

This 50-60 minute presentation will have students sitting on the edge of their seats as they learn fascinating facts about Wisconsin wildlife and Native Americans. While interacting with a variety of artifacts, furs, skulls, and antlers, your class will discover why dandelions are responsible for our existence; how the term “mad hatter” came to be; and which native animal has the most valuable teeth! Cost is \$10 per presentation. The presentation is tailored to the audience.



## Owl Encounter

Grades 3-6

Barn owls are very intriguing predators. This 60-minute program will provide your students with basic facts about barn owl life, their prevalence in Wisconsin, their predatory adaptations, their eating habits, and the amazing things we can learn from the pellets they produce. Following the fast-paced lesson, students will work individually to dissect owl pellets and identify the discoveries within. Cost is \$2.00 per student.



Live owls are NOT a part of this presentation.