

READY-SET-DOUGH

Available: Year-round (Mon.-Wed.)

COST: \$2.50 per student

Grades
2-5

During this 90-minute lab, your students will roll up their sleeves and tie on aprons to measure, mix, and knead their own loaves of honey wheat bread dough. Throughout the experience, they'll think like "scientists," as they learn how ingredients are combined in the kitchen "laboratory" to create recipes where each component plays an important role. The 4-H staff bakes the loaves and returns them the next day packed to go home. Students should arrive with hands washed.

Two or three long rectangular tables placed end to end provide the best work space.

READY-SET-CINNAMON BREAD

Available: Year-round (Mon.-Wed.)

COST: \$3.00 per student

Grades
4-5

This 90-minute lab is limited to schools in which a younger grade level is already doing Ready-Set-Dough. This slightly more advanced session will engage your students in the same bread-making process with the added challenges of using rolling pins and making/spreading filling to create loaves of cinnamon swirl bread. The origin of cinnamon will also be discussed. The 4-H staff bakes the loaves and returns them the next day packed to go home. Students should arrive with hands washed.

Two or three long rectangular tables placed end-to-end provide the best work space.

TO REGISTER...

Call 262-741-4959 or email deborah.harris@wisc.edu to schedule your lab. If multiple classrooms in your building plan to participate, please coordinate your date/times before you reach out.

Once your lab has been scheduled, complete and submit the registration form at <https://go.wisc.edu/91f2b1> or use the QR code below. Do NOT send payment until you have been invoiced.



Note that lab availability is limited based on staff capacity.



The University of Wisconsin Division of Extension provides equal opportunities in employment and programming compliance with state and federal law. Submit requests for reasonable accommodations at least two weeks before the scheduled lab date.



WALWORTH COUNTY 4-H SCIENCE LABS 2025-2026



Connecting Classrooms with
the Clover

4-H is the Positive Youth Development program of
UW-Madison Division of Extension.





**Grades
4-8**

ON THE TECHNOLOGY TRAIL

Available: Mid-April thru mid-November
Cost: \$30 per classroom

Using basic GPS navigational skills, students will complete a fun simulated geocaching experience right in your schoolyard. This is a two-part program which can be conducted as two 50-minute sessions or one 100-minute session. Part #1 focuses on how GPS works, a variety of real world applications, and includes instruction for using simple handheld GPS receivers. Part #2 includes a brief review of receiver use followed by a 10-13 waypoint challenge complete with prizes.

FROM DIRTY WATER TO DRINKING WATER

Available: Year-round
Cost: \$20 per classroom



**Grades
3-5**

Water is one of our planet's most precious limited resources. As such, Mother Nature has concocted a way to clean up the water we dirty so we can use it over and over. Her strategy is so solid, people mimic it at water treatment facilities. During this 50-minute lab, students will consider where drinking water comes from and how the water we send down the drain gets cleaned up. In the process, they'll create simple filtration systems and clean dirty water. Students will work in pairs and require a flat work space.

REDUCED TO A PULP

Available: Year-round
COST: \$25 per classroom



**Grades
2-5**

Trees are an important part of human life that make products and services possible that most of us take for granted. The average American consumes the equivalent of seven trees in paper, wood, and other tree products each year, amounting to 2 billion trees nationally per year. This 60-minute lab will consider the goods and services made possible by trees, the process by which trees are converted into paper, 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 the classroom. Each student will end up with their own piece of recycled paper to take home. A flat workspace and access to water are required.

OWL ENCOUNTER

Available: Year-round
COST: \$3.50 per student



**Grades
2-6**

Barn owls are very intriguing predators, and one of the few animals that can be studied with relevance almost everywhere in the world. This 60-minute lab is packed full of barn owl facts with a focus on their predatory adaptations, 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 discover what "their" barn owls ate. Students are able to take the bones they uncover home. There are NO LIVE OWLS included in this lab.

SCIENTISTS LIVE!

Available FREE @
<https://go.wisc.edu/677tm7>

This informal virtual careers series was created to help teens learn about science-related career options quickly and easily. Each of the 37 recorded episodes consists of a short 20-minute presentation given by a featured scientist, followed by a 10-minute Q & A session during which the original participants asked questions.

EGGSPLORING INCUBATION

**Grades
5K-12**



'26 PROGRAM DATES

Chicks: April 14-May 8; \$25 per class

Ducklings: April 24 - May 15; \$40 per class

During this 3-4 week program, your students will experience the miracle of life first hand as you incubate, hatch, and care for baby birds. As a participant, your class will receive all of the equipment and educational supplies needed to carry out the experience. You'll just need to add some creativity and TLC. Automatic turners come with the incubators to make your job easier over the weekend. Homes for the babies are arranged entirely by the 4-H staff, and help is always just a phone call away. Understand that hatches are not guaranteed. **Limit: one incubator per classroom.** If you plan to use your own incubator, share how many eggs it holds when you call or email to sign-up. Registration closes March 1 or when available equipment runs out (if sooner).

EGGsploring Poultry & Hatching

**Grades
2-8**

Available: Feb. thru May

COST: \$15 (Incubation Classes Only)

During this 45-minute presentation, students will review hatching basics and learn about various types of chickens and ducks. At the end of the session, they will work individually to build edible models of the fertilized egg using basic ingredients. The presentation will be given by 4-H staff and is open only to classes, grades 2-8, also hatching eggs with 4-H.

