



Upcoming Programs with 4-H – Fall 2015

- **Robotics 1 SPIN Club** — learn more on **page 2**
(designed for ages 8-18)
- **Hands On, Minds On 2.0: Science with 4-H** — learn more on **page 3**
(designed for grades 3-6)
- **4-H Science Ambassadors** — learn more on **page 4**
(designed for grades 6-12)
- **Citizen Science SPIN Club** — learn more on **page 5**
(designed for grades 6-12)



Interested in Robotics?



EXPLORE

Engineering & Programming

Join the Robotics¹ SPIN Club with 4-H & Lego Mindstorm

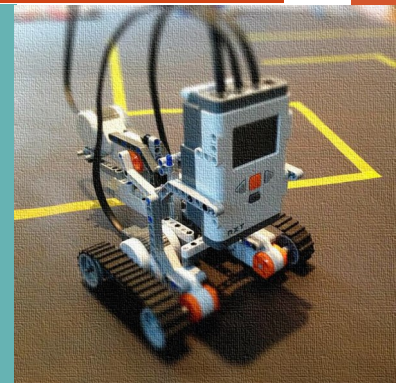
Led by an experienced 4-H robotics volunteer, youth will work in pairs to explore building and programming with Lego Mindstorms.

This **3-session beginner program** is designed for youth who are **ages 8 to 18**. Meetings will be 4:45-6:45 p.m. on October 5, 19 and 26 at the DuPage County Extension office, 1100 E. Warrenville Road, Suite 170, Naperville.

Register ONLINE at web.extension.illinois.edu/dkk

Space is limited. Registration opens Sept. 1, 2015 and closes Oct. 1, or when the class reaches capacity. Program cost is \$50*.

*Includes 2015-2016 annual program fee of \$20. For paid 2015-2016 4-H members, the cost is \$30. If you need a reasonable accommodation to participate, please notify at least two weeks prior to the start date.



For questions, contact
Program Coordinator
Patty Luster at
pluster@illinois.edu
or (630) 955-1123.



Hands On,

Minds On

Science with 4-H

2.0



The 2nd annual 'Hands On, Minds On' event brings back a day of science through hands-on, interactive fun. This year's program is designed for youth in 3rd through 6th grades, and encourages youth to think "like a scientist" through four creative, challenging 4-H National Youth Science Day activities:

 Eco-bots

 Rockets to the Rescue

 Wired for Wind

 Motion Commotion

Monday, Oct. 12th

Check-in from 9-9:30 a.m.

Program from 9:30 a.m. to 12:30 p.m.

at the Kane County Fairgrounds, St. Charles IL

Sign up online beginning Sept. 8th at
<http://web.extension.illinois.edu/dkk/>

Cost is \$15 per child. Space is limited!

Registration closes Oct. 1 or when event meets capacity.

For questions, contact Extension Educator Deanna Roby
at 630.584.6166 or roby@illinois.edu.

If you need a reasonable accommodation to participate,
please notify two weeks prior to the event.

Hands On, Minds On 2.0 provides an opportunity to:

- Create a mini-robot to understand technology's role in environmental science
- Explore aerospace engineering principles by creating and launching paper rockets
- Engineer a wind turbine and test energy output
- Experience the relationship between speed and stopping distance, and apply it to everyday life

For Youth in 6th to 12th grades



UNIVERSITY OF ILLINOIS
EXTENSION

Extending Knowledge Changing Lives



Do you love
science?

Are you looking for
leadership & volunteer
opportunities?

Would you like to
share that passion
with others?

If so, 4-H Science Ambassadors is for you.

4-H Science Ambassadors have the opportunity to:

- ✓ Enhance science skills with 4-H through special training sessions and events
- ✓ Teach other STEM programs to younger youth & gain volunteer service credit
- ✓ Improve leadership abilities
- ✓ Develop presentation skills
- ✓ Promote 4-H Youth Development to the community
- ✓ Make new friends and have fun!

Upcoming Meetings & Trainings will be

6-7:30 p.m. Wednesday, Sept. 16

at 7775B IL Route 47, Yorkville

OR 6-7:30 p.m. Wednesday, Sept. 30

at 1100 E. Warrenville Road, Naperville

For details or to register, visit web.extension.illinois.edu/dkk/4hscience.

Space may be limited! Registration opens Aug. 24, 2015. We understand the busy schedules of our families, so please feel free to bring a quick dinner with you. Dessert will be provided.

To join, there is a \$20 annual program fee for each youth. If you need a reasonable accommodation to participate in this program, please notify at least two weeks prior to the event.

University of Illinois * U.S. Department of Agriculture * Local Extension Councils Cooperating
University of Illinois Extension provides equal opportunities in programs and employment.

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Be a Citizen Scientist with 4-H

The hands-on fun & learning begins...

Saturday, Oct. 10th

1 to 4 p.m.

**Blackwell Forest Preserve
Canoe Launch**

Warrenville

Future opportunities to mark on your calendar:

- Dec. 5, 2015 – Audubon Bird Count
- Feb. 15, 2016 – River Watch / Bud Burst
- April 11, 2016 – Soils

Through this 4-H special interest (SPIN) club, you can participate in outdoor adventures while learning about plants, birds, soils, and stream ecology in our local natural environment.

Plus, you'll be helping collect data for researchers through programs such as E-Bird, Bud Burst & Forest Fungi.

Designed for youth in grades 6th to 12th

Led by qualified volunteers & supported by Extension staff

**To learn more or to register, visit:
web.extension.illinois.edu/dkk/**

Space is limited. Registration opens Sept. 4th and closes Oct. 5th or when class meets capacity. For questions, contact Donna Nuger at dnuger@illinois.edu or at 630.584.6166. If you need a reasonable accommodation, please notify two weeks prior to the meeting date.

\$20* per youth

*No additional cost for current 4-H'ers with paid 2015-2016 program fee. New members are \$20 each.

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