



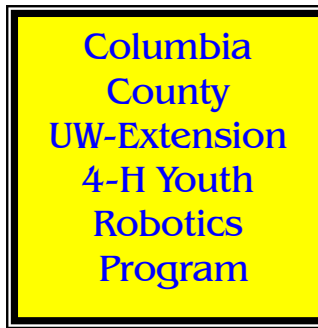
**ROBOTICS PROJECT  
DONATIONS  
REQUESTED**

Please consider a monetary, equipment or time donation to the Columbia County UW-Extension 4-H Youth Robotics Program.

**Cost per set of equipment:**

LEGO Robot Set	\$460
Used Laptop Computer	\$300
Materials for Competition Table	\$150
Software Site License	\$350

Columbia County 4-H has a special exemption status that *corresponds* to section 501(c)(3) of the IRS Code. Donations are tax deductible.

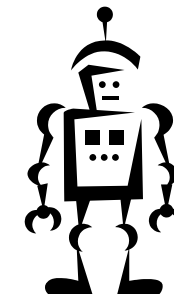
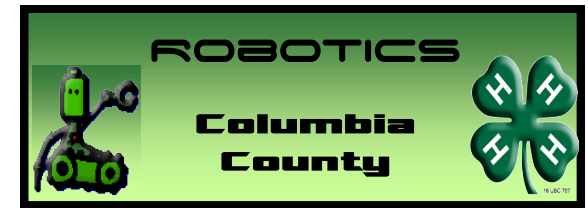


**For more information or to volunteer,  
contact:**

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*An EEO/Affirmative Action Employer,  
University of Wisconsin-Extension provides  
equal opportunities in employment and programming, including  
Title IX and ADA requirements.*





## HOW DOES A ROBOTICS PROGRAM BENEFIT COLUMBIA COUNTY YOUTH?

**A robotics education program meets the diverse interests of today's techno-generation!**

There is an urgent need to educate young people in the areas of math, science, engineering and technology so they can compete in our rapidly changing world. In the next decade, our nation will face a workforce shortage in critical science, engineering and technology fields. These activities inspire, engage and encourage students to consider higher education opportunities in related fields.



## WHAT IS IT?

Using LEGO building sets, a computer, software, hardware and sensors, school-aged youth explore computers, programming and robotics principles. Robotics Club members develop skills in:

- Engineering
- Computer Programming
- Science
- Technology
- Critical and Creative Thinking
- Developing Innovative Solutions
- Communication
- Getting Along With Others
- Making Decisions
- Working with Groups



## PROGRAM OBJECTIVES

- Engage youth in an innovative hands-on learning project
- Teach scientific and mathematic principles through experimentation
- Promote math and science careers
- Develop problem solving skills
- Promote cooperative learning
- To learn how robots work and are used in the workplace.



## WHAT DO MEMBERS SAY ABOUT THE ROBOTICS PROJECT?

- I feel more confident working with robotics.
- 4-H Robotics has made me more curious about robots.
- If I explained Lego Robotics to someone, I would feel like I was teaching them about science.
- I am interested in engineering and technology jobs when I'm older.
- Columbia County 4-H Robotics' activities increased my interest in science, engineering, or technology.



## INTEREST IS HIGH! WE NEED MORE EQUIPMENT AND VOLUNTEERS!

### Monetary or equipment donations

- New/used operating laptop computers
- Lego Robotic Kits
- Competition Table
- Software for additional site

### Volunteers to work on robotic projects with kids!



## PARTNERS

- UW-Extension Columbia County
- Columbia County 4-H
- Columbus Schools
- Community Learning Services



## 2008 - 09 ROBOTICS PROJECT DONORS

- United Wisconsin Grain Producers
- Alliant Energy
- Columbia County UW-Extension
- Columbia County 4-H Leader Association
- Columbus Schools—Community Learning Services