NYSD 2012
Get Ready to Take the 4-H Eco-Bot Challenge!
Linda Hauge, Youth Development Specialist

4-H National Headquarters and National 4-H Council are pleased to reveal the 2012 National Science Experiment for 4-H National Youth Science Day. The 4-H Eco-Bot Challenge will introduce youth to engineering concepts as they program a self-directed robot to clean up a simulated environmental spill.

Developed by Ohio State University and Ohio State Extension, this unique experiment will engage young people in finding a solution to an environmental challenge, using engineering design skills.

The experiment will test their ability to:
- Build an autonomous robot using household materials
- Design and construct a programmed environment for a working robot
- Develop a hypothesis and carry out a test
- Collaborate and offer modifications to produce an optimized solution
- Generate links among engineering, technology, science, math and society

This annual youth science event will be held on Wednesday, Oct. 10, 2012, and will bring 4-H'ers together from all around the nation to complete this single, innovative experiment. Although 4-H National Youth Science Day is scheduled for one day in October, youth are encouraged to experience and explore this experiment all through the 4-H year.

Find out more at: www.4-H.org/NYSD.

We thank the North Dakota 4-H Foundation for once again being a sponsor of this challenge in North Dakota.

Summer Shooting Sports Match
Adrian Biewer, Youth Development Specialist

The Summer Shooting Sports Match will be held August 11-12. The trap match will be at the Capitol City Trap Range 4 miles north of Bismarck on Highway 83. Archery, Skeet, and Clay events will be held at the Capitol City Clays Range near Menoken. The range is located on Exit 170 east of Bismarck, 3 miles north, and two miles west.

Please remember those youth who have been to national events cannot qualify to go again in the same discipline. However, they can compete in a masters division with others that have qualified in the past. Online registration has been changed since spring and should be completed by the coach if they are familiar with the system or through the county extension office. Relay times will be assigned once everyone has registered according to times that are available. We will email the final times assigned. We are expecting about the same number of shotgun participants but archery is an unknown. We may extend Sunday if needed.

The coach is to confirm with the local extension office that all youth paperwork including media release, waiver, informed consent, etc. is completed and filed at the office before coming to the match. You must tell us if someone does not have a media release. Health forms (adult and child) must accompany the coach to the meet.

Please remember a coach is needed for every county team that will be on the course at that time.

4-H Robotics Event
Linda Hauge, Youth Development Specialist

Youth in 4th – 6th grade in the 2012-1013 school year are invited to participate in the 4-H Robotics Events which is scheduled for Saturday, September 15 at the Mandan High School in Mandan. The day will be filled with hands-on junk and WeDo robotics training and challenges for event participants. This event will run from 10 a.m. until 4 p.m. and will be limited to 30 youth.

Registration for youth will be $20 and will cover supplies and lunch. Adult registration will be $10 for lunch.

Register for this event at www.ndsu.edu/4h.

2012-2013 4-H Enrollment begins September 1.
Enroll at 4hOnline or contact your local county office.
On June 19, shooting sports teams from Ramsey and Stutsman County were in Grand Island Nebraska for the National 4-H Shooting Sports Invitational. Each match consisted of three events.

Ramsey County senior teams were Cole Hanson, Derek Melcer, and Colton McAllister competed in air rifle and Beth McDonald, Michael Bischoff, Morgan Hanson, and Austin Erickson competed in the shotgun events.

Stutsman County senior team Cody Beach, Clay Hatlewick, Skylar Sand, and Chris Wells competed in compound archery.

The teams turned in solid performances despite the conditions. The shotgun team had a strong finish the first day finishing within a few points of fifth place. The air rifle and archery teams finished in or near the top ten teams. The shotgun team finished 9th overall with Beth McDonald as top individual team member in 25th place. Derek Melcer was top finisher in 35th place in the air rifle and our team finished in 13th place. The archery team was 12th overall with Skylar Sand our top scorer in 36th place. Overall, it was a great learning experience for the teams and coaches that will be useful in the coming years.

Results and pictures can be found on the Nebraska Extension Service website at http://4h.unl.edu/ntlshootingsportsinvitational.
$95,000 Needed to Fund 4-H Programs!

Myth: 4-H programs and activities are FULLY funded by public dollars.

Truth: 4-H relies heavily on private financial support to fund programs and activities. Many expenses associated with 4-H programming, events and activities cannot be paid for with state appropriated funds and many programs have higher budget needs than can be met with state/ federal funding.

This is where the ND 4-H Foundation comes in. We have pledged to provide nearly $100,000 in private financial support of more than 20 statewide 4-H programs. Programs like Communication Arts, 4-H Ambassadors, Shooting Sports, and Operation Military Kids. Included in the program list are also events like Aerospace Camp, National 4-H Congress and Conference trips, Citizenship in Action and Volunteer training. Along with direct program support, the foundation also provides 11 scholarships for higher education and raises funds to help promote 4-H through special events, mailings and awards and recognition. Our total budget for 2011-12 is $200,050.

In addition to funding current program needs, the foundation believes in growing and expanding 4-H programs to offer the best and most opportunities to the youth of our state.

If you feel the same, we encourage you to help us identify new donors and programs sponsors as well give a personal gift of financial support to the ND 4-H Foundation. Gifts made before August 31st will help support this year’s budget and all the great things 4-H did in 2011-12. Gifts received September 1st or after will support 2012-13 expenses.

Gifts can be made in several easy ways:
- Cash, check
- Credit card. (Online giving NOW available!)
- Securities
- Property
- Corporate Matching
- NDSU Employee payroll deduction form
- Planned Gifts:
  - Life Insurance
  - Wills/Bequests
  - Charitable Trusts/Annuities
- Memorials / Honorariums
- Substantial gifts may be used to establish endowment funds to increase the long-lasting impact intended by donors.

Program Sponsorships Available: If your business would like to sponsor a specific 4-H Program or Curriculum Area, or you know of a business (or individual) who would be interested, please let us know!

Gifts may be sent to:
The North Dakota 4-H Foundation
NDSU Dept. 7280, PO Box 6050
Fargo, ND 58108

Or contact the foundation at:
701-231-8569 or 701-231-7280