

# **Weber County 4-H Robotics County-wide Events -- An Overview**

## **4-H Year: October 1, 2011 – September 30, 2012**

To provide 4-H club members with an opportunity to meet other county youth and showcase their robotics skills, two types of county-wide events will be held:

- Robotics Challenge Nights (3-12<sup>th</sup> grades)
- Robotics Showcase Nights (K-2<sup>nd</sup> grades)

### **ROBOTICS SHOWCASE NIGHTS**

1. Robotics Showcase Nights (K – 2<sup>nd</sup> Grades):
  - a. Non-competitive Robotics Showcase Nights will be held for Cloverbud 4-H club members in grades K – 2.
  - b. County wide Robotics Showcase Nights will be held on the last Wednesday during the following months (Jan, Feb, Mar, and April). Events will be held from 6:00 – 7:30 p.m.
  - c. To participate, teams must sign up for the Robotics Showcase Night with the 4-H office by the Monday prior to the event. Space/equipment limited to 12 teams at each Robotics Showcase Night.
2. Teams:
  - a. Youth may only participate in these events in teams of two.
  - b. All team members must be actively programming and/or building for the challenge.
  - c. Youth can participate in different teams at each Robotics Event; however, once the team has registered for the month's event, the team makeup cannot be changed.
3. Equipment:
  - d. Youth may use NXT or RCX systems for the Robotics Event.
  - e. Teams are limited to three motors to complete event.
  - f. Teams may bring their own kit and laptop or reserve a kit from the 4-H Extension Office when they register their team.
  - g. Only 12 kits/laptops are available for loan and will be reserved in the order reservations are received.
  - h. Loaned kits must be returned properly organized, or the team will not be allowed to utilize 4-H kits in future challenges or contests.
4. Challenges:
  - i. Each Robotics Challenge Night will include one or more age-appropriate challenges.
5. Awards:
  - j. Each team member will receive a participation certificate at each Robotics Showcase Event. Youth who participate in at least three Robotics Showcase Events will earn their Cadet Rank.