#512M – ROBOTICS MASTER

Get more info on Robots & NXT Kits here: http://www.ohio4h.org/robotics

✱ Member MUST participate in County Project/Interview Judging or 4-H Project will be INCOMPLETE.

✱ Member must attend General 4-H Project Judging Day to be eligible for County Placement and State Fair Selection (if applicable).

✱ If the member cannot attend Project Judging, your project can be judged at Early Judging. However, Early Judging participants will not qualify for County Placement or State Fair.

✱ Project must be displayed at the Ross County Fair to receive fair premiums.

✱ For Project Judging Dates & Times & Details:
  ASK your Club Advisor
  READ the May Family HOTLINE sent to every 4-H family
  LOOK on the 4-H website http://ross.osu.edu

Skill Level: Advanced; for members who have completed both Robotics 509 & 510, OR who want to explore robotics with a different platform (not LEGOS®)

Completion:
1. One major robotics project
2. At least 2 learning experiences
3. At least 2 citizenship activities
4. Plan, design, build, program, and evaluate at least one major robotics project.
5. Complete at least 2 Learning Experiences
7. Keep project records including interview, budget, and photos
8. Prepare an educational exhibit (item made from project book, photo exhibit, notebook, scrapbook or poster; poster size minimum 14” x 22” and maximum 22” x 28”) based on this project.

Judging:
1. Interview based on skills learned, activities completed and educational exhibit.
2. Bring to interview on General 4-H Project Judging Day:
   a. Completed project book
   b. Completed educational exhibit
   c. Robot (Be prepared to demonstrate Robot’s ability to complete tasks found in the project book)
   d. Test surface on which to demonstrate Robot’s completion of tasks

County Fair Exhibit:
An educational exhibit relating to project work displayed in a fair booth.
  It is not recommended you display your robotics vehicle or equipment!

State Fair Competition:
1. State Fair participants will be selected during county-level competition on General 4-H Project Judging Day.
2. Event: STEM Day.
   Completed project book, display, interview, and tasks.
3. Contestants are required to bring their own test surface on which to demonstrate their robot’s completion of these tasks, along with a printout of the program.