

Robotics

Quick Information Sheet ☺

✿ 4-H & Robotics

- Junk Drawer Robotics (New 4-H Curriculum)
 - The goal of 4-H Junk Drawer Robotics is to make science, engineering, and technology engaging and meaningful in the lives of young people. Provides hands-on engaging activities to help youth learn these concepts.
 - Book 1: robotic arms, hands, and grippers
 - Book 2: moving, power transfer, and locomotion
 - Book 3: connection between mechanical and electronic elements

✿ Robotics

- Lego Robotics
 - Educational Kit-Mindstorm (order both kit and software separate)
<http://www.legoeducation.us/eng/product/detail/2095?sku=W979797>
 - Educational Kit-EV3 (order both kit and software separate)
<http://www.legoeducation.us/eng/characteristics/ProductLine~LEGO%20MINDSTORMS%20Education%20EV3>
- Vex (use Vex kits)
 - Primarily for high school age youth, focuses on problem solving and engineering and design skills
 - <http://www.vexrobotics.com/vex/products?ref=home>

✿ Helpful Links

- Carnegie Mellon 4-H
Website: <http://www.education.rec.ri.cmu.edu/robots/4H/roboticsandyouonline/index.html>
- 4-H Robotics Training Resources:
 - <http://www.4-h.org/resource-library/curriculum/4-h-robotics/facilitator-resources/professional-development/>
- Utah 4-H Robotics
 - <http://utah4h.org/htm/featured-programs/robotics/>
- Ohio 4-H Robotics
 - <http://www.ohio4h.org/4-h-science/4-h-robotics%20>