# Junk Drawer Robotics

## Youth Materials:
- **Junk Drawer Robotics: Youth Robotics Notebook** (#08435)
- **4-H Involvement Report** (#91910)
- **4-H Project Record Book** (#91950)

## Volunteer Materials:
- **Junk Drawer Robotics, Level 1: Give Robots a Hand** (#08431)
- **Junk Drawer Robotics, Level 2: Robots on the Move** (#08432)
- **Junk Drawer Robotics, Level 3: Mechatronics** (#08433)

## Project Requirements:
- In your Youth Robotics Notebook, complete all the modules for each respective year (Year 1 = Level 1, Modules 1-3; Year 2 = Level 2, Modules 1-4; and Year 3 = Level 3 Modules 1-5)
- Give an oral presentation for each curriculum level demonstrating the designs. Presentations should include discussion of each of the Engineering Design Process stages.

## County Requirements:
Check with your County Extension office for more information.

## Supporting Materials:
To order materials from National 4-H Council visit:
[http://www.4-hmall.org/Category/junk-drawer-robotics.aspx](http://www.4-hmall.org/Category/junk-drawer-robotics.aspx)

Online materials from National 4-H Council: [http://4-h.org/parents/curriculum/robotics/](http://4-h.org/parents/curriculum/robotics/)

University of Idaho Extension Robotics: [https://www.uidaho.edu/extension/4h/programs/robotics](https://www.uidaho.edu/extension/4h/programs/robotics)

Idaho 4-H Junk Drawer Robotics page: [https://www.uidaho.edu/extension/4h/projects/robotics-junk-drawer](https://www.uidaho.edu/extension/4h/projects/robotics-junk-drawer)