

Science & Technology

ROBOTICS JUNK DRAWER

Rev. 09-20

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Projects & Materials	Requirements	Exhibit Requirements
<p>Youth Materials:</p> <ul style="list-style-type: none"> • <i>Junk Drawer Robotics: Youth Robotics Notebook (#08435)</i> 📖 2011 • <i>ZSuites 4-H Involvement Report</i> • <i>ZSuites 4-H Project Record Book</i> <p>Volunteer Materials:</p> <ul style="list-style-type: none"> • <i>Junk Drawer Robotics, Level 1: Give Robots a Hand (#08431)</i> 📖 2011 • <i>Junk Drawer Robotics, Level 2: Robots on the Move (#08432)</i> 📖 2011 • <i>Junk Drawer Robotics, Level 3: Mechatronics (#08433)</i> 📖 2011 	<p>Project Requirements:</p> <ul style="list-style-type: none"> • In your Youth Robotics Notebook, complete the 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. <p>Complete the following:</p> <ul style="list-style-type: none"> • <i>ZSuites 4-H Involvement Report</i> • <i>ZSuites 4-H Project Record Book</i> 	<ul style="list-style-type: none"> • Complete Robotics Notebook (#83178) • ZSuites 4-H Project Record Book • One or more youth-designed junk drawer robots.
<p>County Requirements: Check with your County Extension office for more information.</p>		
<p>Supporting Materials: To order materials from National 4-H Council visit: Youth Notebook: https://shop4-h.org/products/junk-drawer-robotics-curriculum-youth-notebook Level 1: https://shop4-h.org/products/junk-drawer-robotics-curriculum-1-give-robotics-a-hand Level 2: https://shop4-h.org/products/junk-drawer-robotics-2-robots-on-the-move Level 3: https://shop4-h.org/products/junk-drawer-robotics-curriculum-3-mechatronics Online materials from National 4-H Council: http://4-h.org/parents/curriculum/robotics/ University of Idaho Extension 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</p>		