

Science & Technology

ROBOTICS 1 with EV3

Rev. 09-20

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Projects & Materials	Requirements	Exhibit Requirements
<p>Youth Materials:</p> <ul style="list-style-type: none"> • National 4-H Curriculum, Robotics1 with EV3 (#4H507) 📖 2015 • <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>Facilitator materials are included within the curriculum</i> 	<p>About the Project:</p> <ul style="list-style-type: none"> • This project is an introduction to the LEGO Mindstorms EV3 Robotics System. By completing this project, youth will learn fundamental aspects of robots and building and programming the EV3 system. <p>Requirements:</p> <ul style="list-style-type: none"> • See p. 3 of Curriculum Guide and complete all 4 steps listed under Project Guidelines • Give an oral presentation (speech, demonstration or illustrated talk) on a topic related to this project. <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"> • ZSuites 4-H Project Record Book • ZSuites 4-H Involvement Report • Completed Robotics1 with EV3 Manual (#4H507) • One or more youth-designed and built functional robots
<p>County Requirements: Check with your County Extension office for more information.</p>		
<p>Support Materials: Idaho 4-H EV3 Robotics project page: https://www.uidaho.edu/extension/4h/projects/robotics-ev3 EV3 manual: https://shop4-h.org/products/lego-robotics-curriculum-with-ev3</p>		
<p>Optional Supporting Materials: FIRST LEGO League (FLL) at: https://www.firstinspires.org/ Idaho 4-H Robotics: https://www.uidaho.edu/extension/4h/programs/robotics/4-h-robotics Free EV3 Online Tutorial: http://www.stemcentric.com/ev3-tutorial/ Free EV3 Projects: http://www.nxtprograms.com/index3.html</p>		