

Waukesha 4-H Project Guide



Extension
UNIVERSITY OF WISCONSIN-MADISON
WAUKESHA COUNTY



Category: STEM (Science Technology Engineering Math)
4/2021

<p>4-H Project</p> <p>Robotics</p>	<p>Subprojects under this project</p> <ul style="list-style-type: none"> ● FIRST Lego League ● NXT
<p>Things you might learn in this project:</p>	<ul style="list-style-type: none"> ● Programming ● Teamwork/Team Dynamics ● Gracious Professionalism ● Into to mechanical engineering ● Presentational Skills ● Interpersonal Communications
<p>Learning activities/ workshops/ field trip ideas:</p>	<ul style="list-style-type: none"> ● FIRST LEGO competition is held in the spring ● Interview an engineer ● Visit a FLL or NXT tournament ● Hold a display at the fair
<p>Ideas of things you might exhibit in the fair:</p>	<ul style="list-style-type: none"> ● Individual Project presentation ● Individual Robot performance during FIRST season ● Team Project presentation ● Team Robot performance during FIRST season ● Write a robot program ● Design a robot
<p>Waukesha County Project Leaders:</p>	<ul style="list-style-type: none"> ● Bradford Paulson, 262-278-3975, paulsonbg@gmail.com ● Brian Farrell, brianrobotics@gmail.com
<p>References & Resource links:</p>	<ul style="list-style-type: none"> ● https://4h.extension.wisc.edu/opportunities/projects/stem/robotics-project/ ● https://4h.extension.wisc.edu/4h-resources/junk-drawer-robotics-give-robotics-a-hand-robotics-project-curriculum-level-1/ ● https://4h.extension.wisc.edu/files/2020/07/Robotics-Project-Sheet.pdf ● https://4h.extension.wisc.edu/4h-resources/junk-drawer-robotics-mechatronics-robotics-project-curriculum-level-3/ ● tps://4h.extension.wisc.edu/4h-resources/robotics-2-ev3n-more/ ● https://info.firstinspires.org/ ●