

CRANE 4-H



4-H Robotics Project

2016

What is the 4-H Robotics Project?

Robots are all around us. From the food we eat to the cars we drive, robots help make our lives easier, more efficient, and simply more fun! The field of robotics is expanding at a rapid pace, and Texas 4-H is poised to help lead young people into this exciting field. You will learn how to design, build, and program robots in an exciting and hands-on project.

Robotic elements can help improve human quality of life. Whether robots are used to explore

dangerous environments, diffuse bombs, as replacement limbs, or just make life easier, the use

of robots is becoming increasingly more common. In the robotics project, youth will learn

about the interconnections of science, engineering, and technology.

- Learn about the basics of robotics, including platform, drive, and control systems.
- Engage in scientific inquiry around motions, forces,

chemistry, electricity, etc.

- Design robotic solutions to engineering challenges.
- Build, construct, and test robotic contraptions, and redesign.



About this Project...

This project is open to all 4-H members in the 3rd grade and older.

This is an excellent project if you are interested in legos, building things, engineering, and mechanical/life science.

This is a 6 to 8 week project that requires 2-3 hours per week. There are some fees that are associated with this project due to the cost of the robot.

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Just text @crane4 to 81010! Receive information, ask questions, and stay up to date on everything in Crane 4-H

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For more information, contact the county extension agent at (432)558-3522 or at lyndi.owensby@ag.tamu.edu