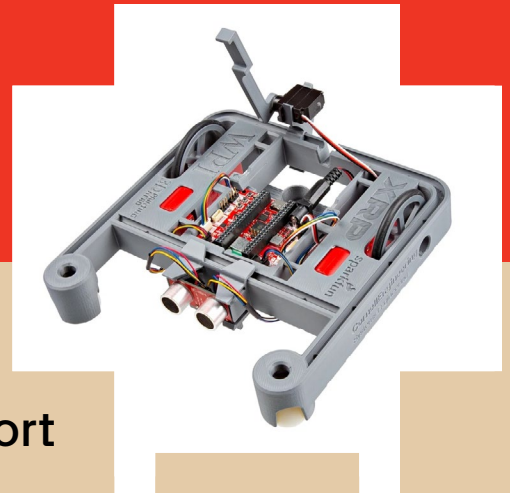


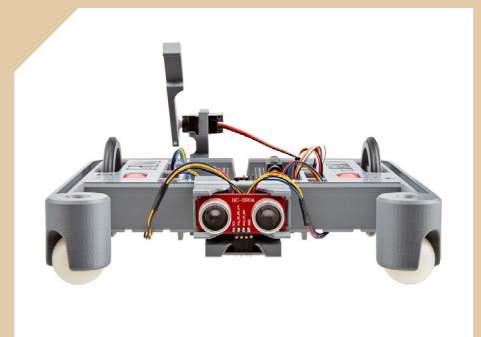
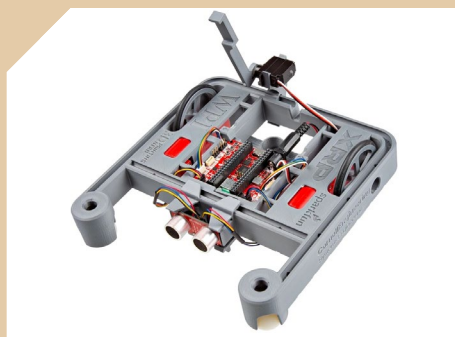
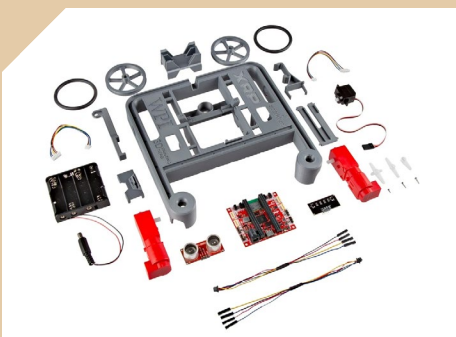
# XRP: Experiential Robotics Platform

SparkFun's affordable robotics hardware platform levels the STEM playing field with digital content and community support



The Experiential Robotics Platform (XRP) is a hands-on, comprehensive robotics platform and includes everything needed to build and program a robot to perform beginning through advanced tasks – building the foundation for innovative thinking, science, engineering, and problem solving. The platform provides:

- Progression from fundamental robotics to driving, line following, using sensors, using a robotic arm, and culminates in building an autonomous delivery robot
- Coding environment includes Blockly tools/libraries, Python, and the *FIRST*® coding development tool, WPILib
- Easy-to-assemble hardware kit that can be assembled completely tool free (no soldering, no screws)
- Online activities and modules that build on one another
- Content designed for middle and high school students and beginners
- Jumping off point for customizing the robot in countless ways



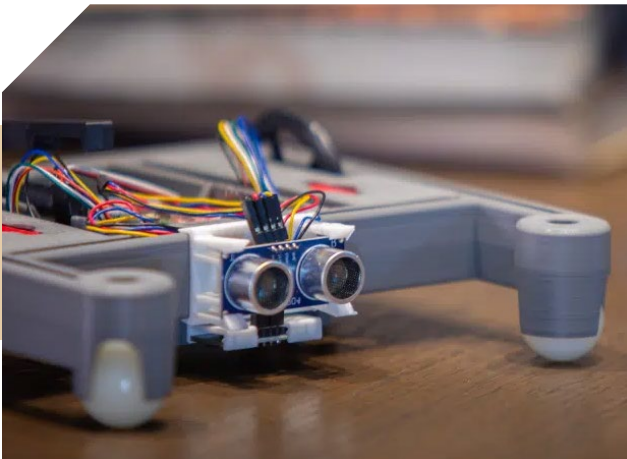
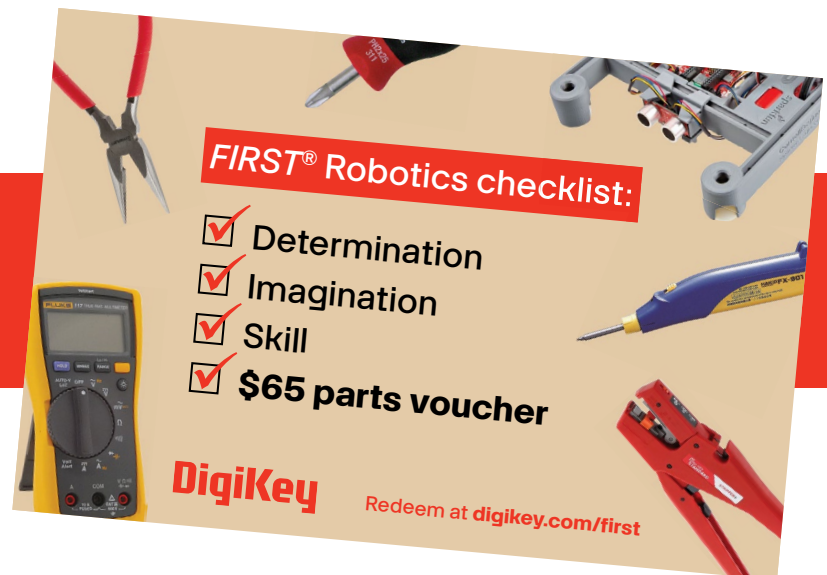
## About XRP:

XRP is a joint collaboration between DigiKey, DEKA, WPI, Sparkfun, Raspberry Pi, and STMicroelectronics. The goal of the XRP partnership is to provide robotics education to everyone and bridge the gap in the robot-building journey. We want everyone to get inspired by the possibilities that await.

**DigiKey**

## Check out the voucher from DigiKey in your 2026 Virtual Kit Catalog

Your \$65 voucher can be used towards products found at [digikey.com](https://www.digikey.com), including the XRP: Experiential Robotics Platform kit.



## XRP discount

The XRP partners are proud to support the education community by providing a discount on the XRP: Experiential Robotics Platform kit to educators and *FIRST* teams. Please contact [xrp@digikey.com](mailto:xrp@digikey.com) to get started.

## DigiKey + *FIRST*: a valuable partnership

By collaborating with organizations like *FIRST*, DigiKey contributes to the advancement of STEM education and helps students develop valuable skills in engineering and technology. This partnership helps foster the next generation of engineers, innovators, and problem solvers.



**DigiKey**

Continue your robotics journey at  
[digikey.com/first](https://www.digikey.com/first)