

Junk Drawer Robotics

2 Semester Course

Instructor: Kristi Brummal

Grade: 5th & Up

Fees: \$30/month tuition, plus \$35 semester fee (includes workbook)

Textbook: “*Junk Drawer Robotics (4H curriculum resources)*”

Course Description: The Junk Drawer Robotics curriculum has three books. In book 1, the student will explore the design and function of robotic arms, hands and grippers and build a robotic arm that really moves! In book 2, the student will design and build machines that roll, slide, draw or move underwater and explore robot mobility-movement, power transfer and locomotion. Book 3 is all about the connection between the mechanical and electronic elements of robots and the student will explore sensors, write programs, build circuits and design their own robot.