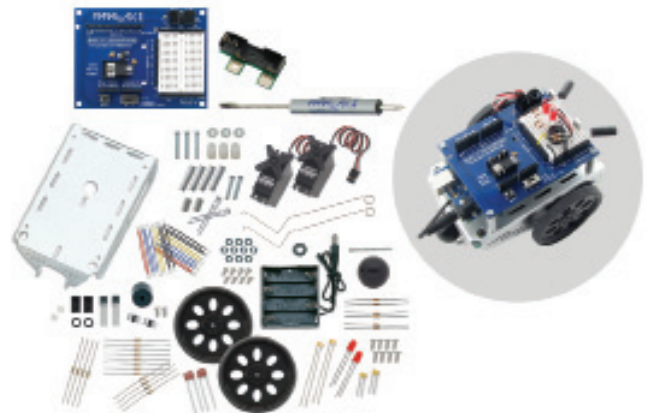# Robotics Shield Kit (for Arduino)

Make your Arduino the onboard brain of a mobile robot and learn robotics, electronics, and programming with this versatile kit and its accompanying step-by-step lessons. The Board of Education Shield plugs into your own Arduino (not included) and mounts on the popular Boe-Bot robot chassis.

With this kit and your own Arduino module, you can follow the Robotics with the Board of Education Shield for Arduino lessons with over 40 hands-on activities.

The original Robotics with the Boe-Bot text for the BASIC Stamp® microcontroller has enjoyed worldwide popularity with teachers and hobbyists, and has been translated into seven languages. Author Andy Lindsay revised his work for the Arduino community, and Parallax Inc. is making it available as a free, online tutorial at learn.parallax.com/ShieldRobot. The book will also be available in print (sold separately).

LESSON TOPIC EXAMPLES:
• Learning to program your robot's Arduino Brain
• Using lights and speakers for status indicators
• Preprogrammed navigation
• Using touch-switches to navigate by contact with objects
• Using phototransistors to navigate by light
• Using non-contact infrared sensors to measure distance and avoid or follow objects

KEY SPECIFICATIONS:
• Board of Education Shield PCB
• High-quality aluminum robot chassis, continuous rotation servos, and wheels
• Boe-Boost Module
• All the electronic components and sensors needed for the Robotics activities
• All the assembly hardware needed (nuts, screws standoffs)
• Parallax Screwdriver

Note: Your own Arduino Uno, Mega, or Duemilanove module and programming cable is required; not included