

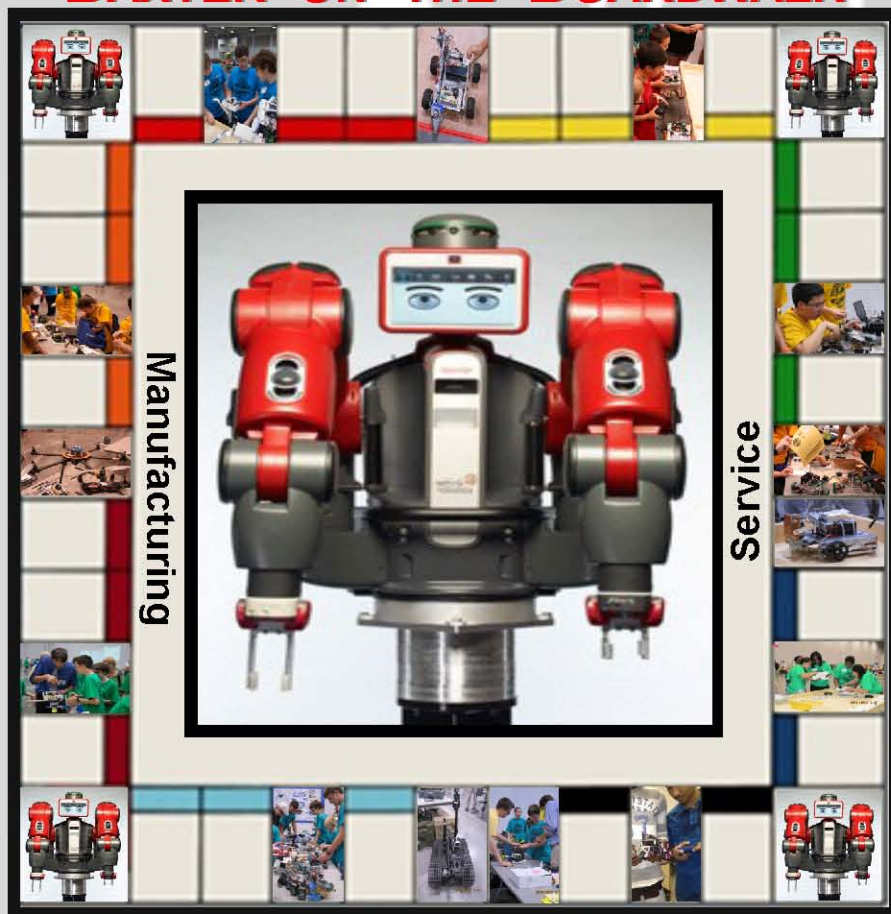
Join Us for...



STEM ROBOTICS AND MAKER* CHALLENGE

This year's challenge: Build a robot that moves Baxter into manufacturing and service robot-designated spaces within a specific time frame while chronicling the Engineering Design Process.

BAXTER ON THE BOARDWALK



STEM K-12 robotic activities focus not only on collaboration, problem solving and critical thinking skills but also these STEM skills:

SCIENCE—

Students investigate the physics of motion and energy transformation.

TECHNOLOGY—

Students are introduced to basic computer programming, motor control, electronics and feedback systems.

ENGINEERING—

Students create a micro-controller for robotic manipulation and begin to understand "Mechatronics" and the relationships between electronic and mechanical systems.

MATHEMATICS—

Students demonstrate knowledge and application of measurement, ratios and proportions, conversion of units, applied geometry and probability through computational thinking.

*MAKER CHALLENGE

Select student teams will be given limited resources to design and produce a product and present their experiences using an entrepreneurial process. Construction of a prototype utilizing the 3D printer will take place onsite during the day.



June 12, 2015
Public Invited 10:00AM - 4:00PM
Virginia Beach Convention Center
 For more information contact
Office of Technical & Career Education 648-6180.



SRC is a partnership between VBCPS students, teachers, parents and local military and business STEM advocates.