Bots for Kids (and Parents)

Sundays starting
Oct 11, 2015
1-3PM

IXR at InfoAge Science and History Museum
2201 Marconi Road,
Wall, NJ

RSVP at meetup.com/IXR-NJ

In Bots for Kids and Parents we will teach children how to build, program, and modify their own robots. Each week for the first month we will provide lessons on the assembly, programming, and modification of their robots, as well as basic informational lessons on electricity, circuits, and programming.

The class is based on the MakeBlock platform by Shenzhen Maker Works Technology Co., Ltd. The platform was chosen because it is very easy to start to work with, but will grow as the student becomes more adept. Based on the Arduino micro-controller, this is the same core chip used worldwide by Makers to build robots, automate household devices, and make their own inventions real.

We will be starting with the mBlock software by MakeBlock, which is based on MIT's "Scratch" system. It is powerful enough to create fun and useful robots. If the students stick with it, they can graduate to the Arduino IDE which unlocks the full power of the Arduino and opens their creations to all the hardware and libraries other Arduino developers have created.

After the initial month of instruction, the Bots for Kids group will continue as a weekly club that kids can attend to share ideas, help each other with projects, and discuss robots and technology. If the kids and parents are interested, we can also participate in one of many robot competitions being held around the state, country, or world.