Scratchable Devices



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We are seeking to create useful devices that will serve as motivation for people to gain familiarity with programming. We took everyday household appliances and connected them to BYOB, an extension of Scratch, so that they can do much more than originally intended.



Our programmingbased interface allows end users to do MORE than they can with a standard button-style interface

play sound Java Jive! -

How Is This Possible?

We are using an Arduino, a microcontroller, to communicate between BYOB and the physical devices. From BYOB, a command is interpreted in Processing and shuttled to the Arduino. The instruction then controls the Scratchable Device by sending electrical signals to specific ports to which the devices are connected.







