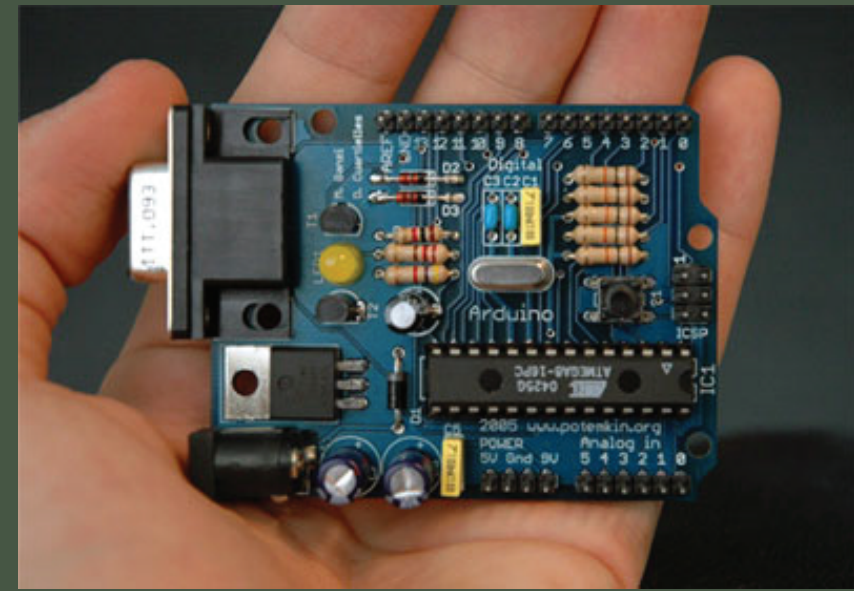# OPEN SOURCE
+ HARDWARE

 When developing an open source hardware, you will need a PCB router to begin with. The router is not only for circuitry, it can also do woodworking, plastic shaping, aluminum cutting,etc. The PCB router is 'reproducible'. They are expensive and made for industrial use- people who can afford thousands of dollars at a time for mass production.

Open source hardware also requires Open source software to develop tools that are necessary for building, testing, and laying out circuitry ready for printing on the PCB router.

 Because developing an open source hardware needs a lot of materials, and using circuit design and simulation software allows most of the design work on a computer without any materials.