The ATmega328 in this kit comes pre-programmed with the Simon code as well as the STK500 serial bootloader. This serial bootloader will allow you to re-program the Simon game using the Arduino development environment. There is not direct support under the Arduino IDE but the 'Lilypad Arduino w/ ATmega328' should allow you to reprogram the board using Arduino. You can also use a standard text editor and WinAVR. The serial port on this board requires a male header and FTDI Basic board which are not included.