Potato Power

Hey everyone and welcome to another BE MAKER lesson, in this lesson we will learn about analog inputs on the BE BOARD that can be used to read many different types of sensors, but for our uses we will be reading the power of a single potato.

Remember in the intro lesson we used a potato to power an LED well we are going to do something very simular in this lesson except we will be reading the value of power the potato has on one of the 6 analog inputs on the BE BOARD. So let's get the hardware that we need for this lesson

{Video show hardware}

We are going to set up the potato just like we did in lesson 1, so let's setup the potato again.

{Video setting up potato}

Now again we are going to connect this potato to the BE BOARD the negative (the dime) will be connected to the GND of the BE BOARD and the positive (the penny) will be connected to A0 of the BE BOARD.

{Hardware configuration of the potato and BE BOARD}

Now that the software is configured we can go over the software needed to read the analog input at A0 which is very simple when usng the Arduino IDE.

{Code explanation of each line}

Make sure you do not short the paperclip chains as you will get false readings on the serial monitor also you may notice that your LED will be bright because the reading is 1024.

Once you have finished with the code you can open the serial monitor and see the value on the Serial Monitor.

{Video of serial monitor}

Thanks for joinging me on part 3 of lesson 2 pease join me again for part 1 of lesson 3 where I will go over creating your very own water sensor.