**Group # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Basic Touch LED Programming**

The Touch LED is a touch sensor and a color LED all in one. You can use it to let your robotic inventions interact with people. In this tutorial, you will be introduced to the Touch LED sensor and program it to turn on when touched. You will then use setup blocks in order to set the ON color of the Touch LED.



**Program**

Let's create a program that turns the touch LED on when touched and off when left untouched.

Open the Modkit for VEX editor. Drag and drop a Touch LED and assign its port number. Make sure it matches that of the physical Touch LED.

1. Next, click on the 'Blocks' tab and make sure that you are editing the Touch LED.Program the Touch LED to turn on when touched: drag and drop a 'When Start' block onto the screen.
2. Click on the drop-down icon and select 'TOUCH LED-TOUCHED.' Drag a 'light ON' block underneath the 'when' block. This code will run once each time the Touch LED is touched.

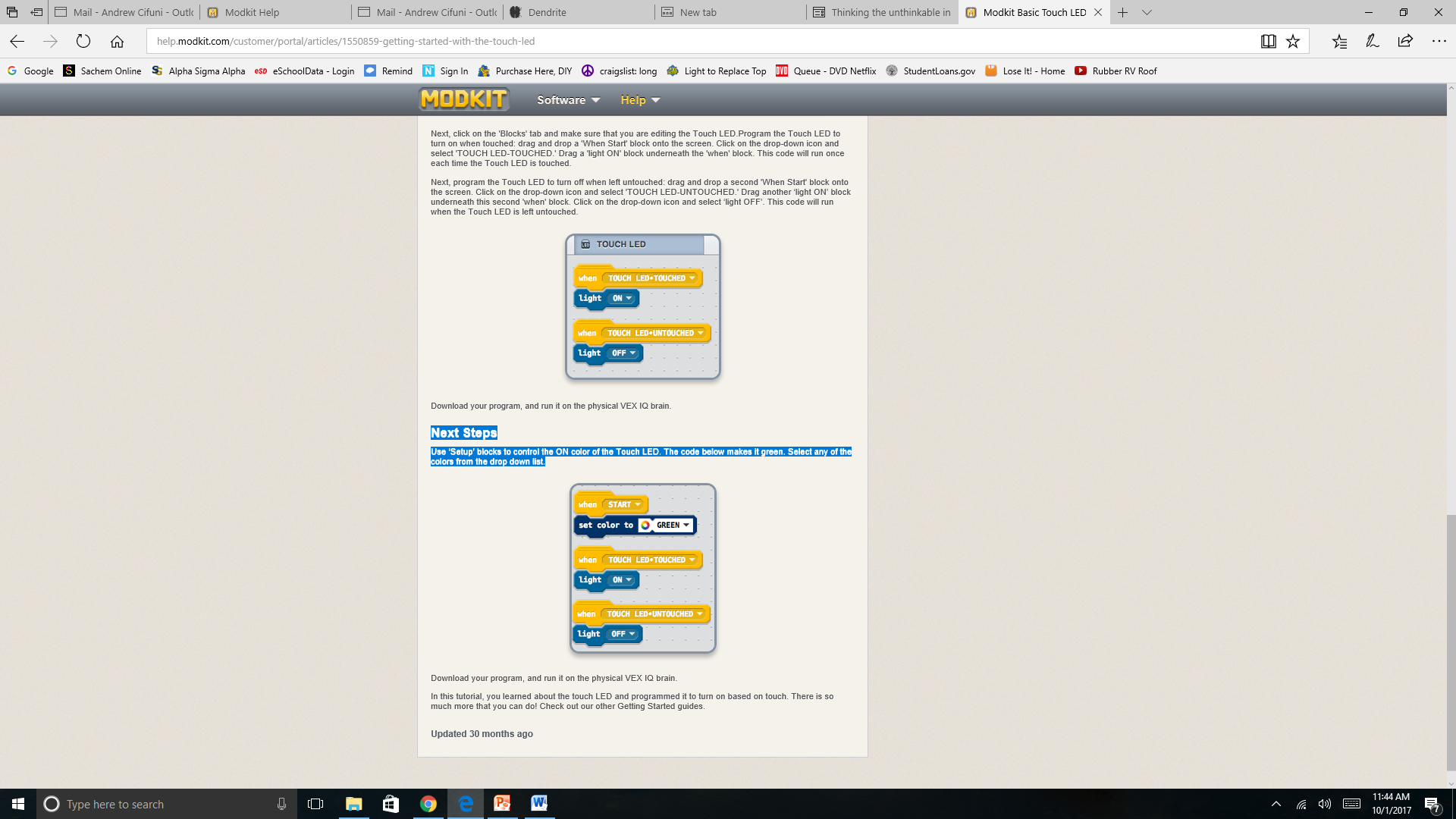


Download your program, and run it on the physical VEX IQ brain.

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**Next Steps**

Use ‘Setup’ blocks to control the ON color of the Touch LED. The code below makes it green. Select any of the colors from the drop down list.



Download your program, and run it on the physical VEX IQ brain.

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