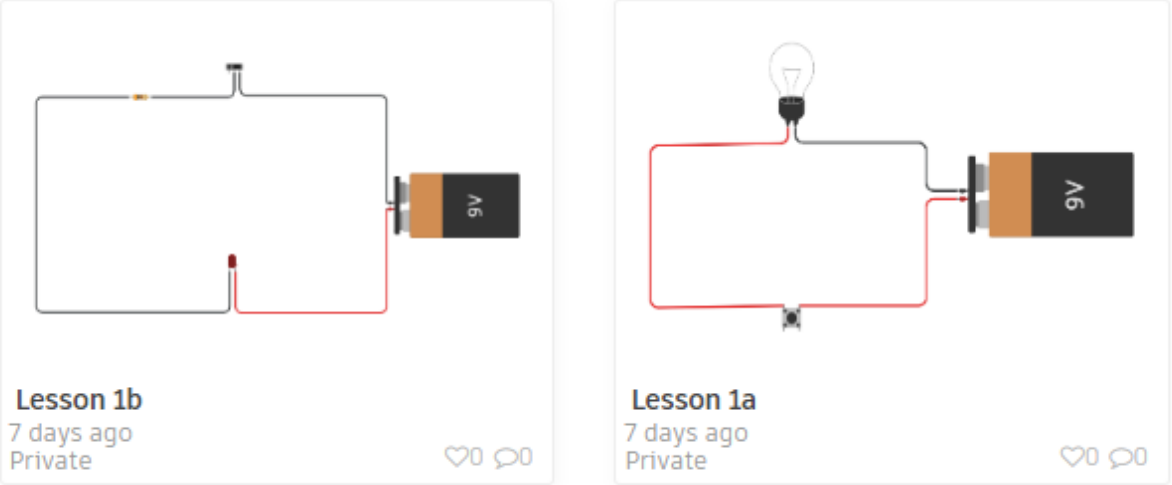
Robotics Continuing Education (4-27-20)

If you've done a little experimenting with the Tinkercad program, then this next assignment should be pretty easy for you. Go to the Tinkercad.com and sign in as a student. Once again, the class code for Robotics I is PBP9 LGR9 HE7B, but don't put you own Nickname in. Instead put **lesson15202** as your nickname, then click on circuits. This will get you into Lesson 1, which is a lesson I created for you.

You should see two circuits that I made. The first one (1a) just has a light bulb, a push button switch and a battery all connected. If you simulate it, and push down the switch, the light bulb will turn on. In the second circuit (1b) I'm connecting an LED with a 200 ohm resistor and a sliding switch to a battery. If you simulate this, and click on the left side of the switch, the LED should turn on. In this lesson I merely want you to practice your ability to work with the Tinkercad program. Can you duplicate, under your own nickname, these two circuits? The challenge is to duplicate them exactly! The wires should be the same color as mine, they should make right angle turns as does mine, and the resistor in the LED circuit should be 200 ohms. Can you do it? A picture of these two circuits are shown below. Again, you'll be rewarded with 5 BW coins for your effort, but more importantly, you'll be closer to creating your own circuits! Good Luck!

PS – When I check into your personal site, under your nickname, as the teacher I will be able to see your duplicate circuits!



The two circuits in Lesson 1.