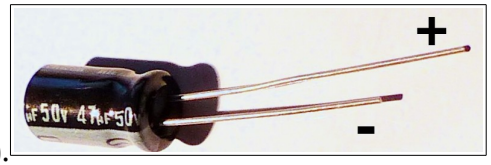
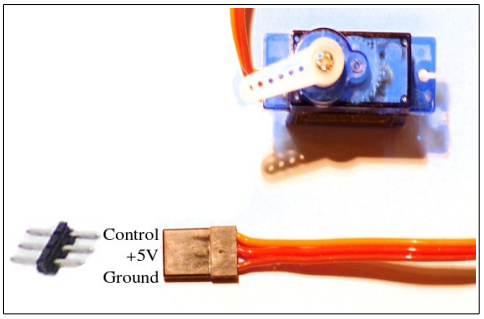
Wiring instructions for three servos and one joystick

Important:



- The capacitor has a polarity. The light strip on one side marks the negative lead (also the shorter one of the two).



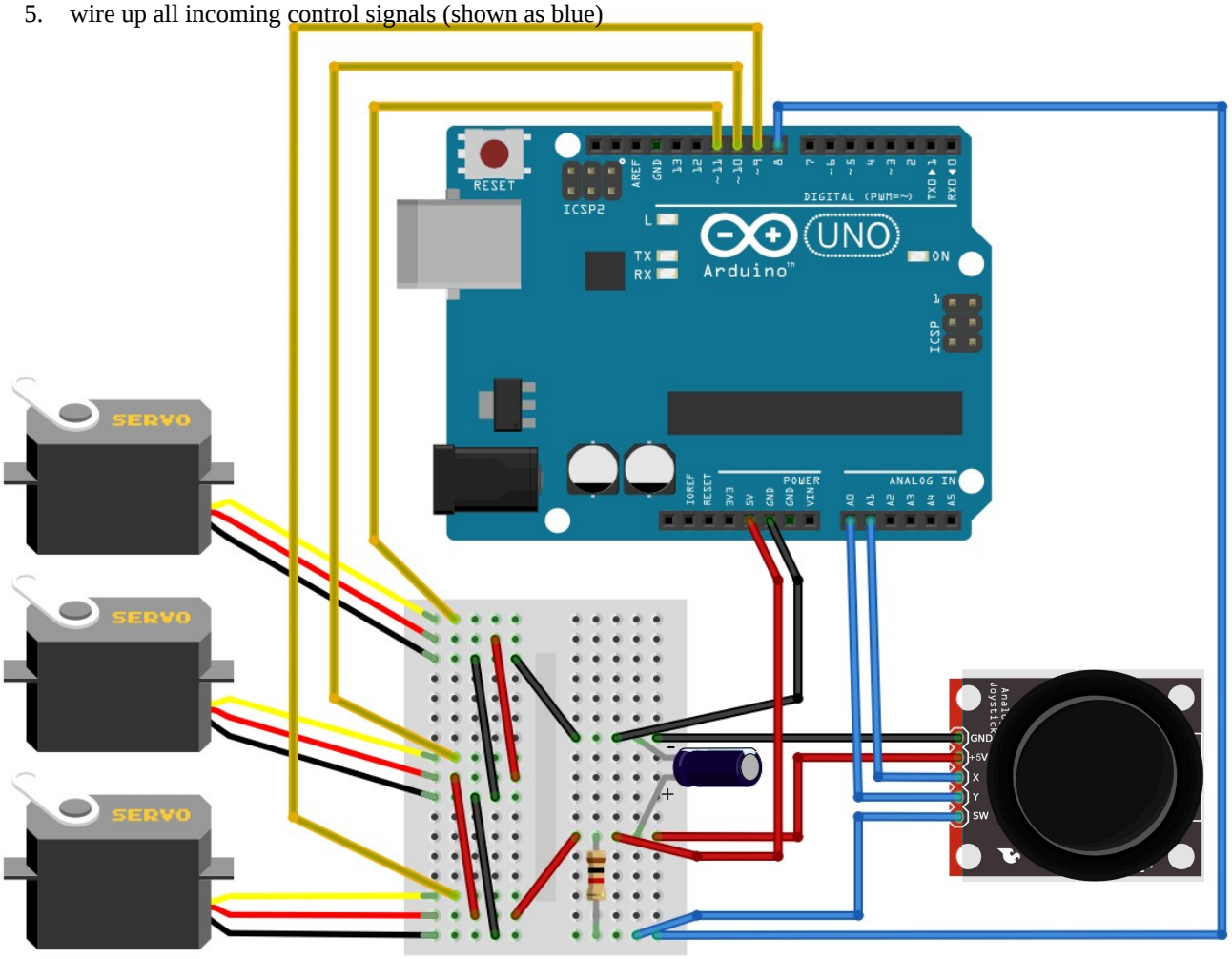
- Wires on the blue servos are colour coded as shown:

- You can find the programming code to operate this circuit in the PDF handout from lab 2-3 (pick one of the two versions, and decide which is best for you)

Recommended method:

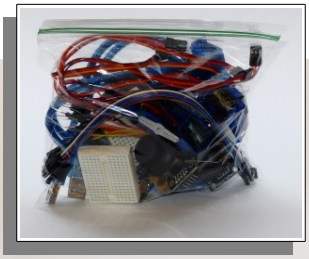
(**colours** in your completed electronics are somewhat irrelevant, just use whatever jumper wires you can find)

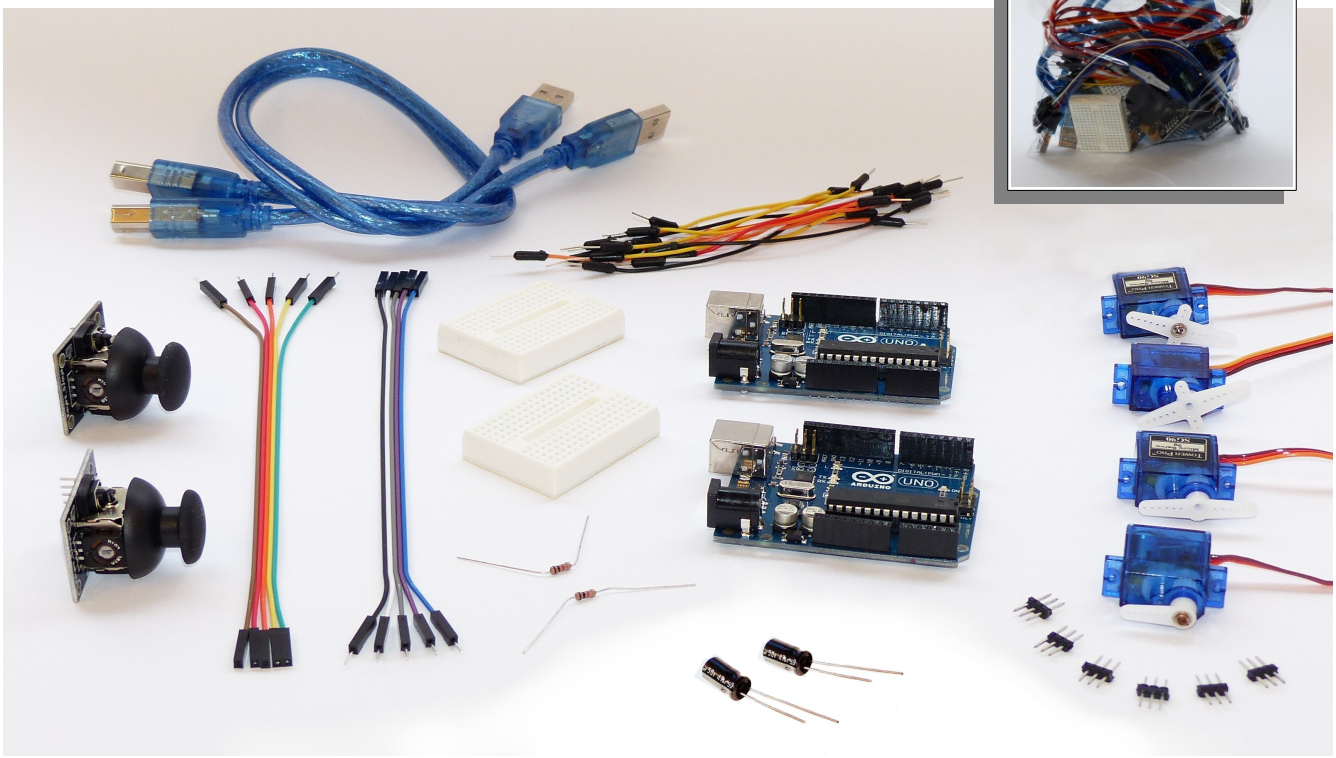
1. plug in the servos, joystick, resistor (has no polarity) and capacitor (watch polarity)
2. wire up all grounds (shown as black)
3. wire up all +5V (shown as red)
4. wire up all outgoing control signals (shown as yellow)
5. wire up all incoming control signals (shown as blue)



This layout was created with freeware “Fritzing”. Interested? Download Fritzing here, and the file for this circuit here.

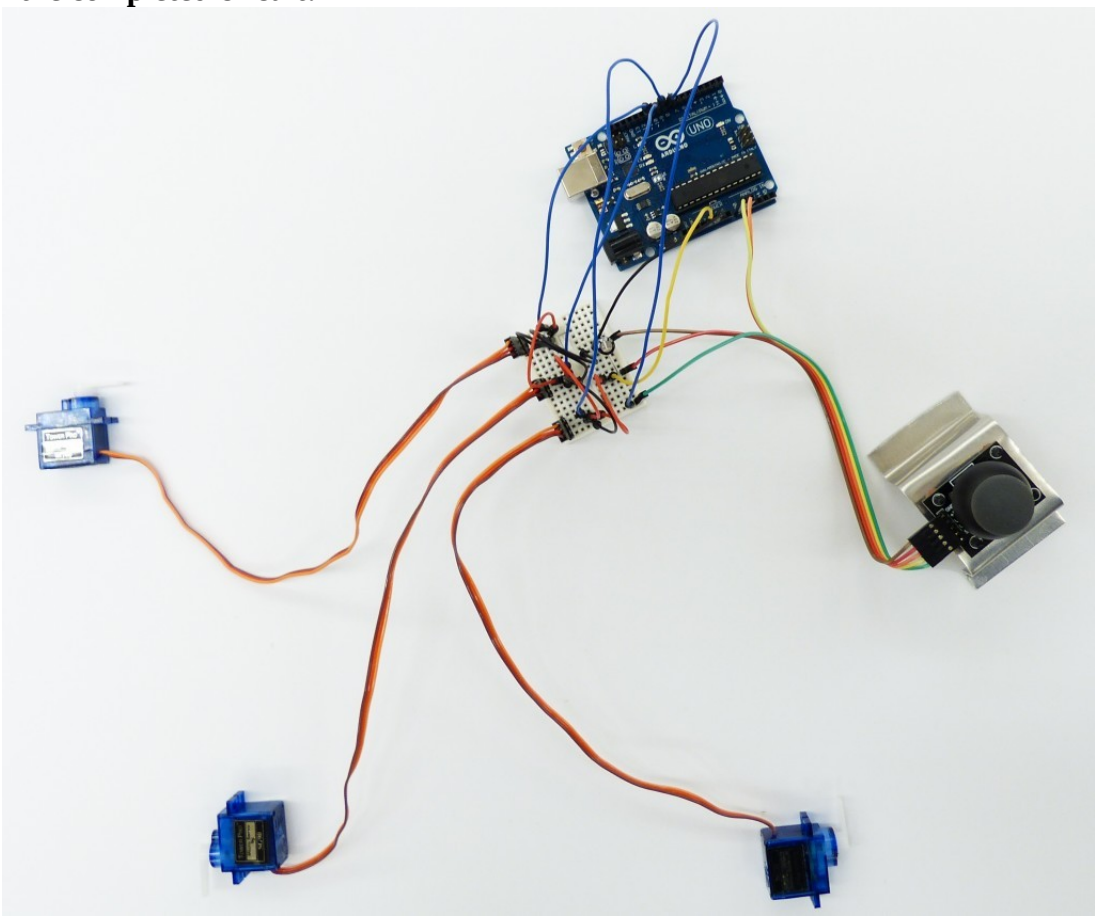
Contents of your team's electronics kit:

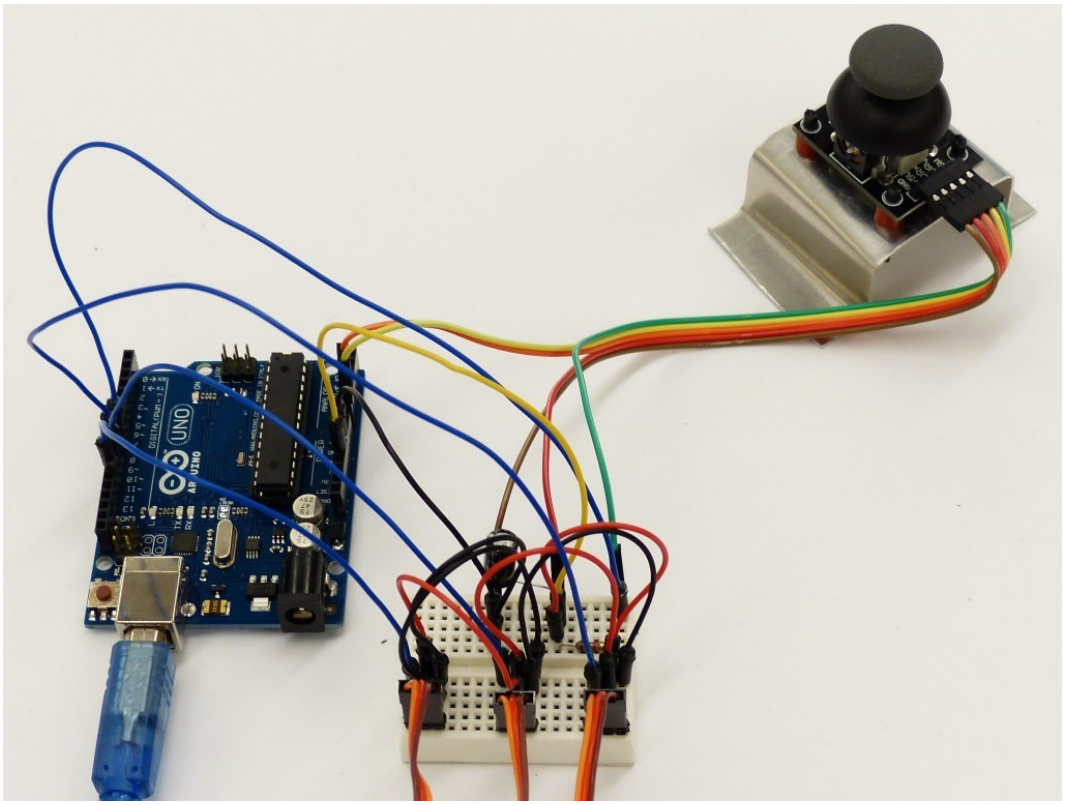


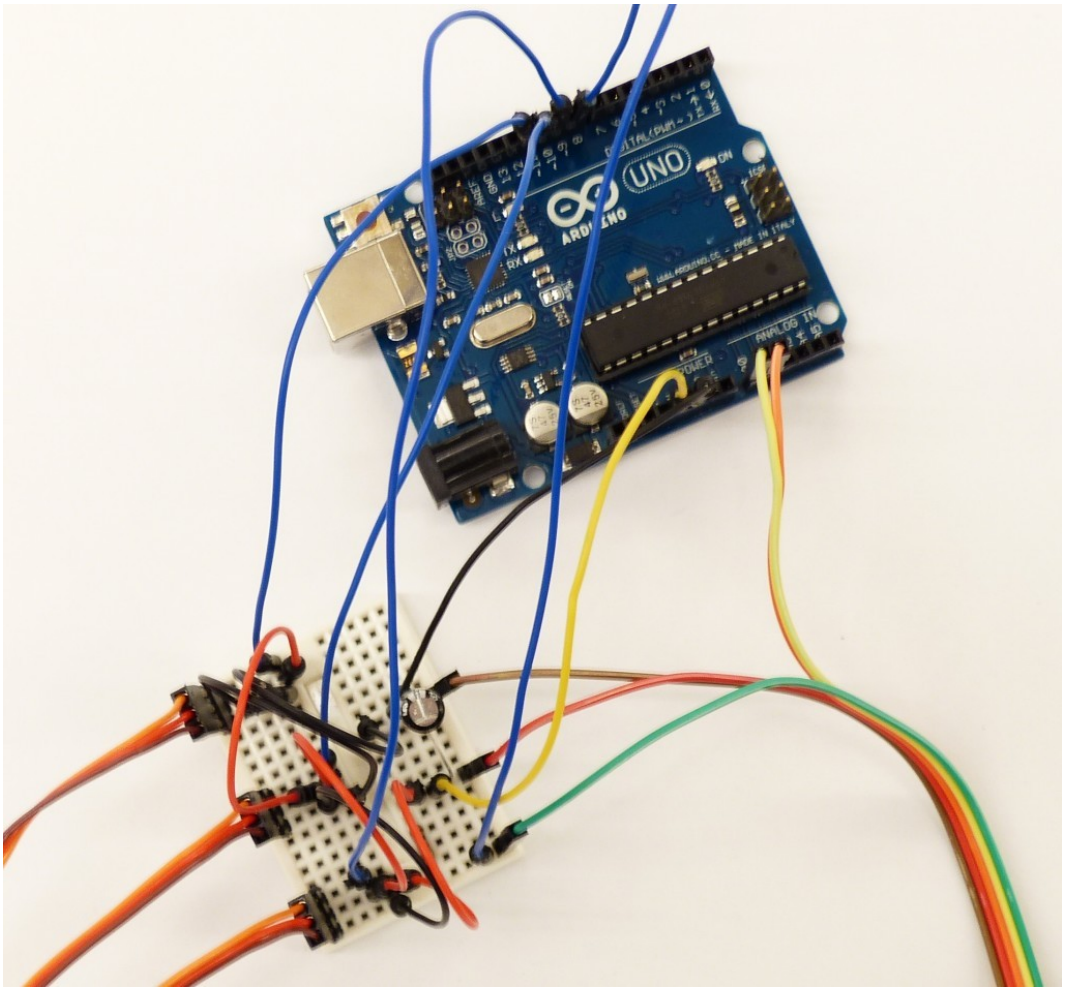


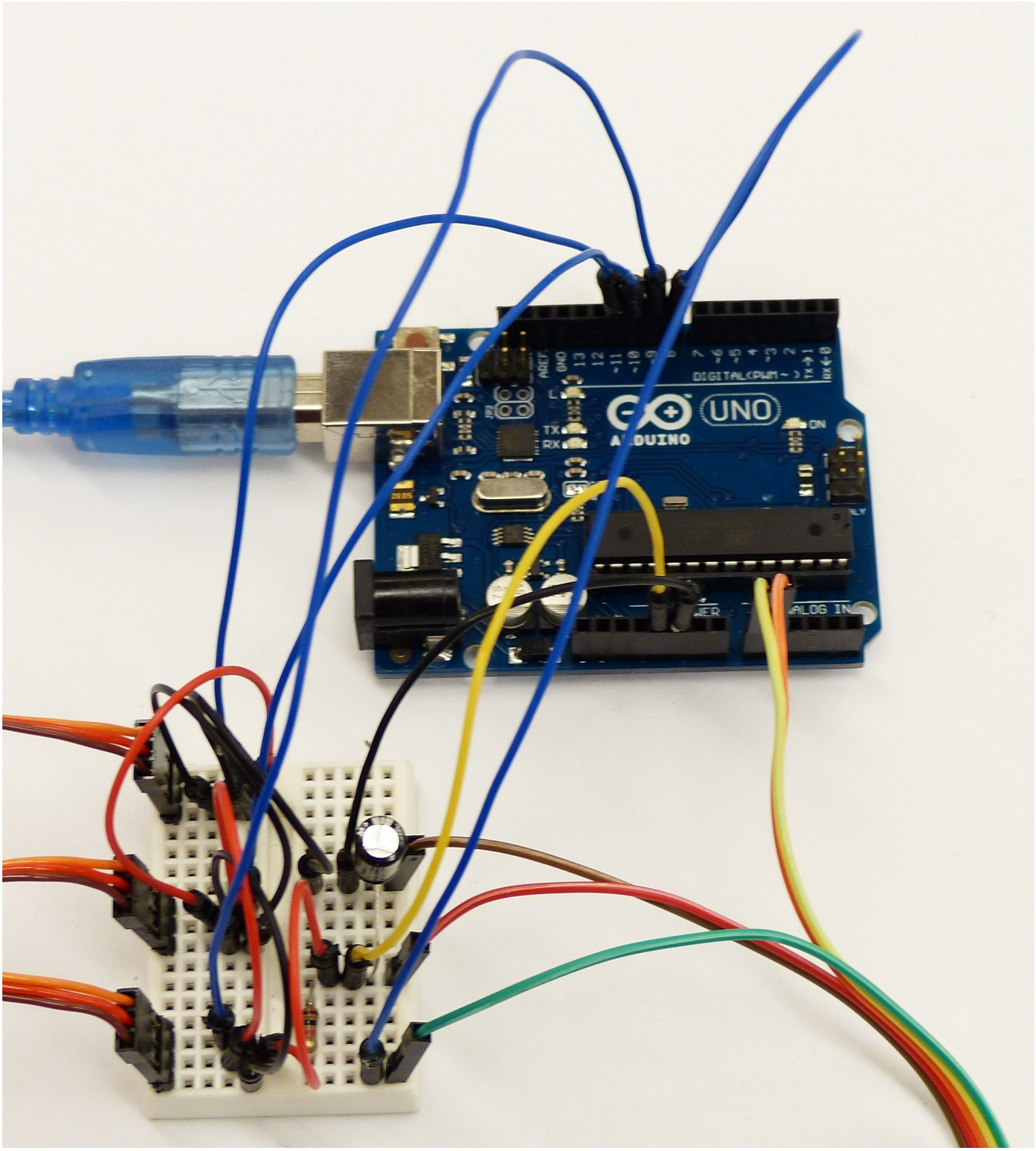
(if parts are missing, check with us)

Photos of the completed circuit:








UNO
ON
TX
RX
DIGITAL(PWM~)
ANALOG IN